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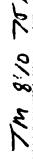
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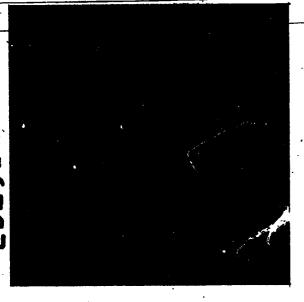
ABSTRACT '

During the 1981-82 testing year, foreign nationals representing over 140 countries or territories made up approximately 17 percent of all Graduate Record Examinations (GRE) General Test takers. Most of these examinees were non-native speakers of English for whom average scores on the verbal and analytical measures were considerably lower than those of native English speakers. However, the quantitative mean profile of foreign examinees did not vary according to English language background and was quite similar to that of U.S. examinees. Detailed comparative profiles of GRE performance data are provided for the general foreign and U.S. examinee populations; for foreign examinees classified by country of citizenship; and for groups of foreign and U.S. examinees defined in terms of age, sex, reported English language communication status, intended graduate field, U.S. vs. other undergraduate origin, repeater vs. nonrepeater status, and other personal, academic, and testing-related characteristics. Study findings suggest that GRE General Test data (especially verbal and analytical test data) generated by non-U.S. citizens from non-native English speaking societies should not be treated as comparable to test data for U.S. examinees or examinees from other native-English speaking societies. (Author/BW)

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FOREIGN NATIONALS TAKING THE GRE GENERAL TEST DURING 1981-82:

HIGHLIGHTS OF A STUDY

Kenneth M. Wilson

GRE Board Research Report GREB No. 81-23aR ETS Research Report 84-23

September 1984

This report presents the findings of a research project funded by and carried out under the auspices of the Graduate Record Examinations Board.



EDUCATIONAL TESTING SERVICE, PRINCETON, NJ



Foreign Nationals Taking the GRE General Test During 1981-82:
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Abstract

During the 1981-82 testing year, foreign nationals representing over 140 countries or territories made up approximately 17 percent of all GRE General Test takers. However, they were heavily concentrated in scientific-technical fields—for example, almost one-half of all examinees in engineering and one-third of those in math-science fields were foreign nationals. Most of these examinees were non-native speakers of English for whom average scores on the verbal and analytical measures were considerably lower than those of native English speakers (both U.S. and foreign) in similar fields of study. However, the quantitative mean profile, by field, of foreign examinees did not vary according to English language background and was quite similar to that of U.S. examinees.

Petailed comparative profiles of GRE performance data are provided for the general foreign and U.S. examinee populations, and for foreign examinees classified by country of citizenship. In addition, the study analyzes GRE performance of groups of foreign and U.S. examinees defined in terms of age, sex, reported English language communication status, intended graduate field, U.S. vs other undergraduate origin, repeater vs nonrepeater status, and other personal, academic, and testing-related characteristics.

Study findings suggest that GRE General Test data (especially verbal and analytical test data) generated by non-U.S. citizens from non-native English speaking societies should not be treated as comparable to test data for U.S. examinees or examinees from other native-English speaking societies.



Acknowledgements:

To the Graduate Record Examinations Board under whose auspices this study was conducted;

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Foreign Nationals Taking the GRE General Test During 1981-82:

Highlights of a Study

Kenneth M. Wilson Educational Testing Service

Introduction

The Graduate Record Examinations (GRE) General (Aptitude) Test, widely used in evaluating the academic qualifications of applicants for admission to graduate schools, is oriented to citizens of the United States, the majority of whom share a common acculturation in the sense of having been born, reared, and formally schooled in the United States with English as the language of discourse. However, large numbers of foreign nationals also take the GRE General Test each year in support of their admission applications. Differences in linguistic, cultural, and educational background between U.S. and foreign examinees, and between examinees from different countries, complicate the interpretation of scores presented by foreign applicants, especially those for whom English is not the native language.

This report highlights and summarizes major findings of a detailed study, sponsored by the Graduate Record Examinations Board, designed to provide information regarding (a) selected demographic, academic, and testing-related characteristics of foreign examinees tested during 1981-82 and (b) their performance on the GRE General Test in relation to those characteristics.*

The study employed data from GRE files for (a) 26,455 GRE General Test takers during 1981-82 who identified themselves as non-U.S. citizens and named a country of citizenship in response to GRE background questions and (b) a 10 percent sample (N = 15,638) of U.S. citizens.** Responses to the GRE background information questions on citizenship and other items and to certain items on the GRE registration form provided data on the following variables (see Appendix A for detail):

Personal background variables

- o Country of citizenship
- o Resident alien (permanent) vs other non-U.S. status
- o English communication status (EPL or English primary language vs ESL or English secondary language)



^{*} Wilson, Kenneth M. (1984). Foreign nationals taking the GRE General Test during 1981-82: Selected characteristics and test performance (GRE Epard Professional Report No. 81-23bP). Princeton, NJ: Educational Testing Service.

^{**}Overall, 31,791 test-takers identified themselves as non-U.S. citizens, or 16.9 percent of all respondents to the U.S. citizenship question. The records of 5,336 self-reported non-U.S. citizens were not included in the study because these individuals did not name country of citizenship.

- o Native (or best) language
- o Sex
- o Age, calculated from date of birth
- o Father's educational level
- o Mother's educational level

Academic variables

- o Degree goal (doctorate vs master's)
- o Undergraduate major*
- o Graduate major*
- o U.S. vs other undergraduate school
- o Current educational status

Testing related variables

- o Tested in U.S. center vs other center
- o Previous experience with GRE tests vs other status (repeater vs nonrepeater status)
- o Designated institutions/departments to receive score reports vs did not do so (reporting vs nonreporting behavior); for reporting examinees, number of institutions/departments designated
- o GRE Subject (Advanced) Test (did or did not take a Subject Test).

Scores on the verbal, quantitative, and analytical sections of the GRE General Test were available for each examinee.

Summary data on the basic personal, academic, and testing related variables enumerated above were compiled (a) for all foreign examinees without regard to country of citizenship, (b) for the 10 percent sample of U.S. examinees, and (c) for foreign nationals classified by country (25 countries represented by 200 or more examinees) and world region (all countries).

GRE score means and standard deviations were computed for U.S. examinees and for foreign examinees generally and, within the respective general populations, GRE score data were compiled for subgroups defined in terms of age, sex, English primary or secondary language status (EPL vs ESL), graduate major area, and status on other personal, academic, and testing-related variables. Parallel GRE performance profiles were developed for examinees by country of citizenship for each of 25 countries represented by 200 or more examinees. These countries will be referred to hereafter as the "leading" countries of origin of examinees during 1981-82, and examinees from the respective countries will be referred to as members of the "leading" contingents.

Selected tabular summaries of data from the study are appended for reference (Appendix B). Detailed discussion of the content of these tables

^{*}See Appendix A for the classification of fields employed in the study.



and other data, and of specific factors that need to be considered in their evaluation, may be found in the basic study report. However, the following general considerations that dictate the exercise of interpretive caution and inferential restraint in evaluating the data may be noted here.

- o The data are descriptive only of U.S. examinees and foreign nationals who happen to have become members of the GRE examinee pool during 1981-82 as the result of complex processes of academic, socioeconomic, and perhaps political selection, and self-selection, that undoubtedly vary from country to country.
- o Examinees from various foreign countries are not necessarily representative of the populations of prospective or enrolled graduate-level students in their respective countries.
- o Given the diversity in the organization of educational systems throughout the world, some background questions (for example, regarding educational status or attainment framed in terms of the U.S. system) are unlikely to have precisely the same meaning for all foreign nationals.
- o The GRE population generally is highly differentiated along disciplinary lines. There are differences by discipline in performance on the GRE, sex-mix, educational status of examinees at time of testing, and other variables. Many of the analyses of test performance in this study were not controlled for discipline, sex, or other variables.

Major Findings

This summary report highlights (a) the diverse national origins of foreign examinees and corresponding differences in linguistic, cultural, and educational background, (b) the concentration of foreign examinees in scientific and technical fields, (c) the variation in average examinee performance on the GRE verbal measure across countries as a function of differences in English-language background variables,* and (d) findings regarding GRE General Test performance in relation to the personal, academic, and testing-related variables studied (that is, sex, age, educational status, parental education, location of test center, and so on). Implications are discussed in the final section.

National Origin

The diverse national origins of the GRE foreign examinee population are clearly evident in Exhibits A and B.** A total of 142 countries or territories were named by two or more examinees as the country of citizenship. However,

^{**} In this report, both independent countries and dependent territories are referred to for convenience as "countries of citizenslip."



^{*}Emphasis throughout is on the verbal measure. However, trends cited for the verbal measure tended to hold for the analytical measure as well.

Exhibit A

Countries or Territories of Citizenship in Descending Order of

Number of GRE Examinees Tested During 1981-82

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						BRUNEI	(2)



° Exhibit B

Classification of GRE Foreign Examinees According to Country of Citizenship and World Region

		•			,		. .
COUNTRY OF	N	COUNTRY OF	N°	COUNTRY OF	N .	COUNTRY OF	N
CITIZENSHIP		CITIZENSHIP		CITIZENSHIP ' '		CITIZENSHIP	
AND REGION		AND REGION		AND REGION	•	~ AND REGION .	
		The Review				. 8.8%	•
AFRICA-TOTAL 8.2%	(2173)	GUATEMALA	(42)	PHILIPPINE S	(467)	HIDEAST-TOTAL	(2316)
APRICA-IDIAL	(61/3)	HAITI	(30)	SINGAPORE	(150}	• •	
ALGEBYA	(101)	HONDURAS	(31)	SRI LANKA	(167)	BAHRAIN	(25)
ALGERIA	(3)	JAMAICA	(155)	THAILAND	(778)	IRAN	(1119)
ANGOLA	(7)	MEXICO	(631)	VIETNAM	(154)	IRAQ	(92)
BOTSHANA	(45)	NETH. ANTILLES	(21)	PEOPLES R. OF CHINA		ISRAEL	·(187)
CAMEROON	(3)	NICARAGUA	(37)			JORDAN	(192)
CENTR. AFRICAN R.		PANAMA	(51)	EUROPE-TOTAL	(2920)	TIANUN	(66)
CHAD	(2) (3)	PUERTO RICO	(12)	11.0%		LEBANON	(332)
CONGO		TRINIDAD & TOBAGO	(85)	· TURKEY	(248)	CHAN .	(3)
BENIN	(2)		(25)	AUSTRIA	(27)	GATAR '	(8)
EGYPT	(176)	MEST INDIES ASSO.	(1470)	AZORES	(12)	SAUDI	(222)
ETHIOPIA	(70)	CANADA	(127)	BELGIUM	(75)	SYRIA	(53)
GHANA	(143)	ARGENTINA	(24)	BULGARIA	(2)	, U. ARAB EMIRATES	(14)
GUINEA	(2)	BOLIVIA		CYPRUS	(61)	YEMEN	(3)
IVORY COAST	(33)	BRAZIL	(294)	CZECHOSŁAVAKIA	(12)	i ENEN ,	,
KENYA	(118)	CHILE	(128)	DENMARK	(27)	PACIFIC-TOTAL	(306)
LIBERIA	(50)	COLORBIA	(236)	GRÉAT BRITAIN	(599)	1.29	
LIBYA	(48)	ECUADOR	(45)	FINLAND	(35)	AMERICAN SAMOA	<u>~</u> (8)
MALAWI	(25)	GUYANA	(53)		(297)	AUSTRALIA	(210)
MALI	(20)	PARAGUAY	(8)	FRANCE FED. R. OF GERMANY	(267)	CAROLINE ISLANDS	(3)
MOROCCO	(32)	PERU	(130)		(20)		(17)
MOZAMBIQUE	(3)	URUGUAY	(23)	GERMAN DEM. REP.	('424)	FIJI ISLANDS	(3)
NIGERIA	(883)	VENEZUELA	(396)	GREECE	6)	MARIANA ISLANDS	(3)
ZIMBABWE	(41)			HUNGARY	(51)	NEW CALEDONIA	(55)
SENEGAL	(6)	ASIA-TOTAL	(14443)	ICELAND	(100)	NEW ZEALAND	(2)
SIERRA LEONE	(39)	54,6%		IRELAND	(124)	SOLOHON ISLANDS	(5)
SOMALIA	(14)	AFGHANISTAN	(5)	ITALY	(2)	TONGA	(2)
SOUTH AFRICA	(112)	BANGLADESH	(156)	LUXEMBOURG		and samed till.	(26455)
SUDAN	(341	BHUTAN	(9)	MALTA	(3)	ALL NON-U. S.	(66499)
SHAZILAND	(22)	BRUNEI	(2)	NETHER LANDS	(85)	,	
TANZANIA	(41)	BURMA	(7)	NORWAY	(47)		
TOGO	(5)	TAIHAN	(3791)	POLAND	(43)		
TUNISTA	(19)	HONG KONG	(674)	PORTUGAL	(49)		
UGALDA	(39)	AIGH	(4210)	ROMANIA	(10)		
UPPER VOLTA	(3)	Indonesian	(275)	SPAIN	(127)	•	
AICHAS	(29)	JAPAN	(894)	SHEDEN	(63)	•	
		KAMPUCHEA	(5)	SHITZERLAND	(55)		
AMERICA-TOTAL	(4297)	KOREA	(1547)	U. S. S. R.	(8)	•	
		LACS	(8)	YUGOSLAVIA	(41)		
BAHAMAS 16.2%	(29)	HACAO	(50)				
BARBADOS	(13)	MALAYSIA	(628)				
BELIZE	(10)	MAURITIUS	(8)				
BERHUDA	(11)	MONGOLIA	(9)				
COSTA RICA	(46)	NEPAL	(37)		.•		
	- · ·		.				



DOMINICAN REPUBLIC (EL SALVADOR (

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(266)

PAKISTAN

70) 36)

28)

most of the examinee contingents were relatively small: 98 countries were represented by fewer than 100 examinees, 81 by fewer than 50.

- o Twenty-five countries with 200 or more examinees accounted for 21,158 (80 percent) of the foreign examinees who named a country (N = 26,455).
- o Almost 55 percent of all foreign examinees were from the Asian region; some 16 percent were from the Americas (including Canadu), 11 percent from Europe, 9 percent from the Mideast, 9 percent from Africa, and about 1 percent from the Pacific region (primarily from Australia and New Zealand).
- o Ten of the 23 countries represented by 200 or more examinees, including the three countries with the largest number of nationals taking the GRE India, Taiwan, and Korea), were from the Asian region.
- o The percentages of regional totals accounted for by the leading countries varied considerably; the 10 Asian contingents among the leading 25 accounted for almost 94 percent of the Asian total; the three leading contingents from the Mideast accounted for about 72 percent of that region's total. Among the remaining regions, the percentages accounted for by contingents included among the leading 25 were 70.4 percent for the Americas, 68.6 percent for the Pacific, 62.8 percent for Europe, and 40.6 percent for Africa.
- o Some 19 percent of the foreign examinees reported that they were resident aliens (permanent residents) in the U.S.; 80 percent of all foreign examinees were accounted for by the 25 countries with the largest number of examinees, but only about 70 percent of resident aliens were from these countries (Table 1, Appendix B).

Fields of Study

Foreign nationals in the GRE examinee pool were generally more heavily concentrated in scientific and technical fields (engineering, math-science, physical science) than were U. S. examinees (Table 3, Table 6).* More than one half (52 percent) of all foreign examinees as compared to only about 15 percent of U.S. examinees were in these science fields.** Thus the representation of foreign nationals in the total population varied markedly by field.

o About 17 percent of all GRE test-takers during 1981-82 (including those not naming a country of citizenship) were non-U.S. citizens. However, it is estimated (a) that foreign nationals made up (at least) 47 percent of examinees in the engineering fields, 33 percent of those in the

^{**}See Appendix A for listing of the specific disciplines included in these and other classifications.



^{*}Unless otherwise indicated hereafter, references to tables should be understood to mean the tables in Appendix B.

math-science fields, and 20 percent of those in the physical sciences and (b) that, in certain of the specific engineering fields, foreign examinees were the majority population—for example, 69 percent in metallurgy; and more than one half in civil, mechanical, and industrial engineering.*

- o More than one-third of all GRE examinees in economics, computer science (the most popular single field for foreign examinees), physics and statistics, were foreign as were one fourth in chemistry, and one fifth of architecture and mathematics majors.
- o On the other hand, foreign examinees were underrepresented in education, arts, social sciences, generally, and health fields (between 4 and 8 percent); also in behavioral and biological sciences, and humanities exclusive of arts (10 to 12 percent).

Variability in English Language Backgrounds

Slightly more than one-third of all foreign examinees reported that they communicated better in English than in any other language; these were classified as EPL examinees, for whom English is the primary language; the remaining 63 percent reported better communication in a language other than English and these were classified as ESL examinees, for whom English is a (the) secondary language (Table 2).

Among the leading 25 largest national groups, those from three major native English-speaking societies (Australia, Canada, and Great Britain) were more than 90 percent EPL; between 40 percent and 71 percent of examinees reported EPL status in contingents from India (71 percent), the Philippines (70 percent), Nigeria (66 percent), Malaysia (52 percent), and Pakistan (40 percent); less than 20 percent of the examinees in the remaining 17 leading contingents reported EPL status (Table 5).

For EPL contingents from Australia, Canada, and Great Britain (and other native English-speaking societies), native patterns of English language acquisition and usage may be assumed. However, for most of the remaining EPL



^{*} The percentages of examinees in various fields or areas of graduate study do not take into account data for 5,336 foreign nationals who failed to identify a country of citizenship, while the estimate of 17 percent in the GRE general population does. Thus, these percentages by major areas or fields underestimate the representation of foreign examinees (by about 2.5 percent on the average). Generalizations about the general degree of representation of foreign nationals in subgroups defined by major field, or other subgroups, are not affected by this, however.

^{**} Almost one-half of all foreign examinees taking the GRE during 1977-79 reported EPL status (Wilson, 1982a).

examinees, it is reasonable to assume non-native patterns of English language acquisition and usage. For this latter group of EPL examinees, EPL status undoubtedly was acquired through the study and use of English as a second language that, over the years, may have come to supersede the original native alonguage, especially for academic purposes. In essence, it should not be assumed that EPL examinees from non-native English-speaking societies are comparable in English proficiency with EPL examinees from the United States or other major. English-speaking societies. This distinction is relevant to the assessment of differences among country contingents in performance on the GRE verbal measure (see Table 11).

English Proficiency and Test Performance

The performance of foreign examinees on the GRE quantitative ability measure appears to be fully comparable with that of U.S. examinees in similar fields of study, but the verbal and analytical ability scores of foreign examinees are consistently lower than those of their U.S. counterparts (see Figure 1).

Foreign EPL examinees have higher verbal and analytical means than their ESL counterparts, but their verbal and analytical score profiles are consistently below those of U.S. examinees; however, quantitative ability profiles for foreign ESL, foreign EPL, and all examinees in similar fields of study are quite comparable (see Figure 2).

The fact that the verbal and analytical profiles in Figure 2 for foreign EPL examinees do not conform more closely in level to the "all GRE" profiles for these measures, while their quantitative profiles do, is noteworthy. In evaluating this phenomenon it is important (a) to recall that most foreign EPL examinees are from non-native English-speaking societies and (b) to know that the verbal (and analytical) ability profiles of EPL examinees from major English-speaking societies appear to be fully comparable to those of U.S. examinees, as will be seen below (see also Table 11).

Generally speaking, among the leading 25 foreign contingents, differences in level of verbal performance, but not level of quantitative performance, are associated with variables reflecting characteristic differences in the English-language backgrounds of graduate-level examinees from these countries who are studying or who plan to study in the United States. Basic trends in this regard are pointed up in Exhibit C in which data on GRE verbal performance relative to quantitative performance are shown for mathematics and physical science majors from the 25 leading foreign contingents.

Along the horizontal in Exhibit C, countries are differentiated first according to native vs non-native patterns of English-language acquisition and use; the non-English-speaking countries are then further differentiated in terms of the typical level of performance of their U.S.-graduate-school-bound nationals on the Test of English as a Foreign Language (TOEFL). TOEFL (ETS, 1981) measures ability to comprehend spoken English, knowledge of rules regarding English language structure and expression, and English vocabulary and reading comprehension, and reports a total score reflecting performance on



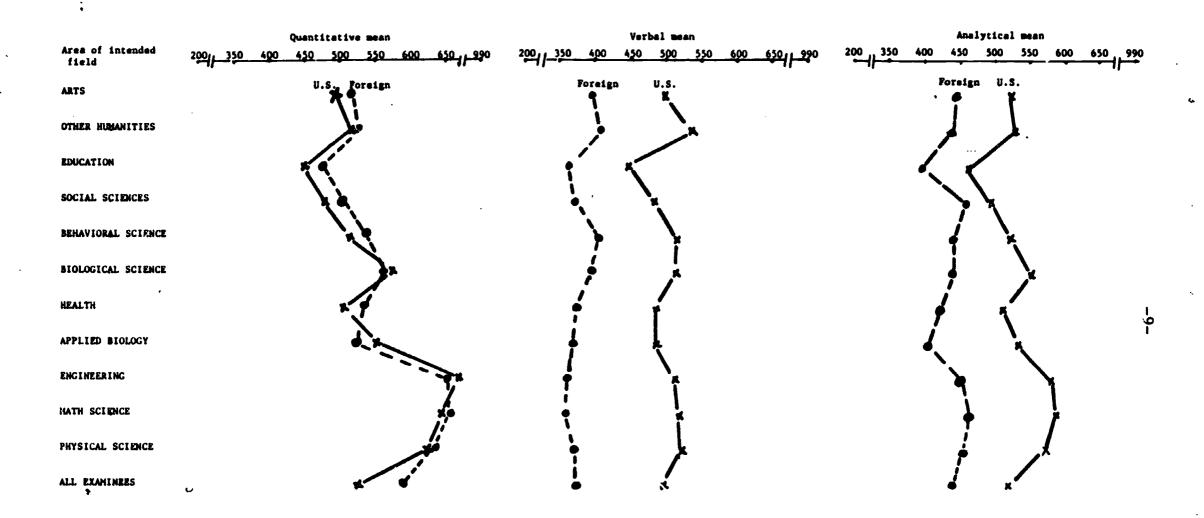


Figure 1. Profiles of GRE General Test means for U.S. and foreign examinees in 11 graduate major areas

See main report, Section 4 for supporting detail



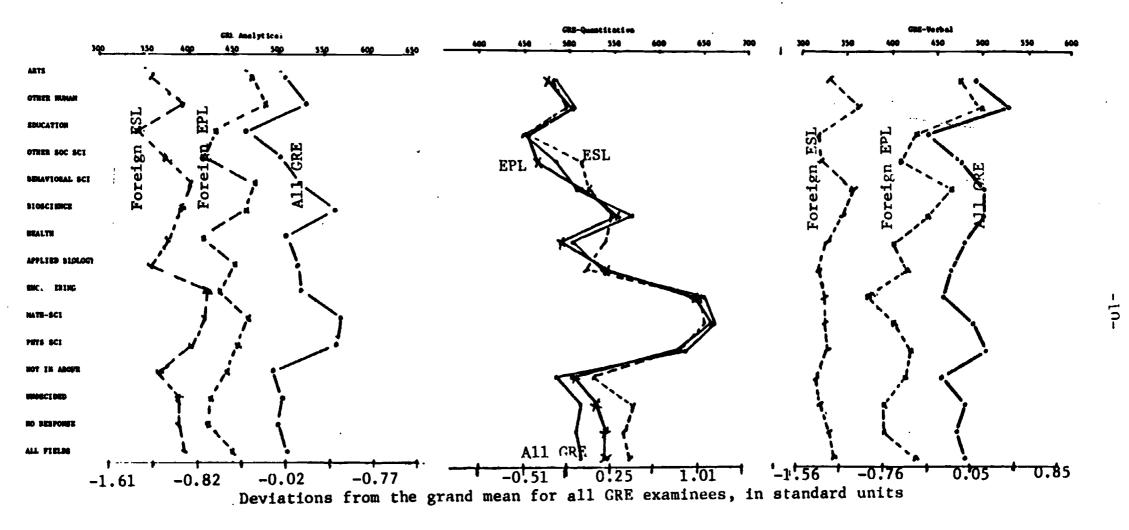


Figure 2. Profiles of verbal, quantitative, and analytical means for all GRE examinees and for foreign examinees in 11 graduate major areas: Foreign examinees classified by EPL/ESL status

Exhibit C

Variation in Level of GRE Verbal Relative to Ouantitative Performance by Country of Citizenship As a Function of Differences in English Language Background: Math/Science Majors Only

Percentage of GRE examinees, 1981-82, reporting English	Characteristic level of English proticioncy of contingents of graduate-level students planning to study in the United States										
as the	Non-nat	ive patterns of 4	equisition and us	8		Native rattern of English language acquisition and use					
primary language of communication	Lower mean scor	Higher mean TOEFL scores*									
66 percent + EPL			Nigeria India Philippines	- 97	(520)+ (656)++ (605)++	Australia Canada Great Britain United States					
33-65 percent EPL	Pakistan	-152 (580)+	Malaysia	-136	(626) ++						
Less than 33 percent	Mexico Brazil Colombia Venezuela	-122 (576)++ -123 (629)++ -127 (612)++ -126 (572)+	France West Germany	-129	(691)++ (675)++						
EPL	Greece Turkey Iran Lebanon	-177 (655)++ -200 (648)+ -192 (591)+ -184 (597)+	ь р ь	observed a ed verbal on data for	llowing country is the discrepancy ed and predicted <u>verbal</u> mean, where al is given by .52Q + 185, an equation for U.S. math/science majors ca. entry is GRE quantitative mean						
	Saudi Arabia Taiwan Hong Kong Indonesia Japan Korea Thailan.	-199 (542)+ -251 (7,03)++ -198 (700)++ -213 (638)++ -251 (701)++ -212 (696)++ -228 (624)++	6 0 1	GRE-C (refe betwee (ETS,	h/science mean is a erence grou een 10/78 a 1982, Tab	majors in the cont t or above the 70t p, all examinees t nd 09/81, U.S. and	ingent h centile ested foreign,				

^{*}Classification of countries by TOEFL score level is based on data for graduate-level TOEFL examinees from the country, tested during 1977-79 (Wilson 1982a). "Higher" level = mean TOEFL Total of 550 or more; "lower" = below 530, typically around 500.



all three dimensions. It is designed for use by foreign nationals who need to demonstrate their proficiency in English. Data for examinees tested during 1977-79 (Wilson, 1982b) were used to classify the non-native English-speaking countries in terms of higher vs lower TOEFL total means (higher means of 550 or greater vs lower means below 550, typically near 500). Countries are classified, vertically, according to the percentage of self-reported EPL examinees in the 1981-82 contingents of GRE General Test takers.

For each mathematics and physical science contingent, the first entry following the country name is the discrepancy between the observed GRE verbal mean (Table 16, Appendix B) and the verbal mean predicted from the mean score on the quantitative ability measure, using a regression equation based on data for U.S. mathematics and physical science majors (Table 9): predicted GRE Verbal = .52 GRE-Q + 185.* The entry following this discrepancy is the mean score for the contingent on the GRE quantitative ability measure; the symbols (++ or +) indicate the general level of the percentile rank corresponding to the quantitative mean in a basic GRE reference group (see note in Exhibit C for detail).

The data in this exhibit highlight the relationship between the English proficiency related variables and the discrepancy between verbal performance and quantitative performance for the 25 largest groups of foreign test takers. Several features are noteworthy.

- o Ferformance on the GRE quantitative ability measure appears to be independent of the classification of a country group according to the English language background variables. High quantitative means are present in every category.
- o Verbal performance generally consistent with expectation based on quantitative scores is evident only for examinees from Australia, Canada, and Great Britain, more than 90 percent of whom report English as the primary language, and for whom a native pattern of English language acquisition and use is assumed. For these three groups of examinees, the observed mean verbal score was very close to the mean expected for U.S. mathematics and physical science majors with similar quantitative means.



^{*}This equation was derived using means and standard deviations for U.S. mathematics and physical science majors (Table 9) and an estimate of .5 for the verbal to quantitative score correlation. (The 1982-83 Guide to the Use of the Graduate Record Examinations [ETS, 1982] reports a correlation coefficient of .475 for a general sample of mathematics and physical science examinees, including foreign nationals. For purposes of the present study, the rounded value, .5, was deemed to be a reasonable estimate for U.S. examinees only.) For U.S. mathematics and physical science majors in the present study the observed verbal and quantitative means were 520 and 645, respectively, and their "estimated verbal mean" is, by definition, 520. Thus the "observed minus predicted verbal" residual for U.S. examinees in Exhibit C is zero.

- At the other extreme are examinees from Mideastern and Asian countries with very low percentages of EPL examinees (whose EPL status is assumed to have been acquired through study and use of English as a second language), whose native languages do not overlap with English, and whose nationals planning to study in the U.S. characteristically earn lower average scores on TOEFL. The verbal means for these groups of examinees were from 184 to 251 scaled score points lower than would be expected for U.S. examinees with comparably high quantitative means.
- o The verbal performance of examinees from countries with comparatively high percentages of non-native EPL examinees, whose U.S. graduate-school-bound nationals typically do well on TOEFL, is below expectation, but for these examinees (from India, Nigeria, and the Philippines) the discrepancy between the observed and expected verbal mean ranges only between 60 and 105 points.

These discrepancies are somewhat lower than those for French and West German nationals (118-129 points); these contingents include very few non-native EPL examinees, but U.S. bound nationals from these two countries typically perform very well on TOEFL. Examinees from Greece and Turkey, whose U.S.-bound nationals typically do not perform very well on TOEFL, have considerably higher discrepancies (177 and 200 points, respectively) between observed and predicted verbal score.

o Examinees from Mexico, Brazil, Columbia, and Venezuela (characteristically lower-scorers on TOEFL) have verbal discrepancies similar to those of the French and German examinees (around 125 points) but their means were more consistent with expectation than those of the Mideastern and Asian or the Greek and Turkish examinees.

From the foregoing, it is reasonable to conclude that differences in average verbal (and analytical) test performance between U.S. and foreign ESL test takers or between contingents of foreign examinees from various nonnative English-speaking societies reflect factors associated with differences in levels of English proficiency (including, for example, speed of verbal processing in a nondominant language). At the same time, the findings reviewed suggest that differences in the average quantitative scores of examinees by country of citizenship are relatively independent of the varied patterns of English language acquisition and use that are characteristic of examinee contingents from the different countries. However, since the quantitative items are heavily embedded in a matrix of English language directions and stems, it is possible that even the high level of performance of foreign ESL examinees generally, or from particular countries, on this measure may be invalidly lowered by less-than-native levels of fluency in English.

Examinee Characteristics and GRE Performance

Comparable data on the selected personal, academic, and tosting-related characteristics of U.S. and foreign examinees generally are provided in Tables 2, 3, and 4 (Appendix B), and parallel data are provided for examinees classified by country of citizenship in Tables 5, 6, and 7. Data on GRE performance



in relation to the examinee characteristics are provided for the U.S. and general foreign examinee populations in Tables 8, 9, and 10; Table 11 shows GRE performance data for foreign examinees by country of citizenship and world region, while Tables 12, 13, 14, 15, and 16 provide data on GRE performance in relation to examinee characteristics by country and world region.

With regard to every variable under consideration, there was marked variability by country of citizenship in the composition of examinee contingents. For example, the percentage of males ranged from 38 through 98; mean age ranged from approximately 24 through 30 years; percentage tested in the U.S. ranged from 14 through 96; percentage attending a U.S. undergraduate school ranged from 8 to 80; the percentage of examinees from families in which the father had completed a four-year college degree ranged from 12 through 68; and similar diversity in the composition of examinee contingents, by country, is evident with respect to all other examinee characteristics.

The limited summary, below, is designed primarily to highlight (a) similarities and differences in the composition of the U.S. and general foreign examinee populations with respect to the basic study variables (that is, sex, age, parental eduction, educational status, and so on) and trends across the leading contingents and (b) similarities and differences in relationships between the selected examinee characteristics and GRE performance in the respective general populations and across countries.

- o <u>Sex.</u> Males predominated among foreign examinees (73 percent vs 43 percent for U.S. examinees). Males constituted a majority in 24 of the 25 leading contingents (Tables 2 and 5).
 - GRE performance. Male examinees had higher quantitative means than females—true for the U.S. and general foreign examinee populations (with control for graduate major areas of study), and for all 25 of the leading contingents in comparisons not controlled for field of study (Tables 8 and 16).
- o Age. Foreign and U.S. examinees had comparable mean ages (26.4 vs 26.7 years), but proportionately fewer foreign examinees were below 23 years or over 30 years of age. In 12 of the 25 leading contingents, the mean age of examinees was greater than that for U.S. examinees (Tables 2 and 5).
 - GRE performance. Younger examinees (less than 27 years of age) had higher means than their older counterparts on both the quantitative and analytical measures—true for all of the 25 leading contingents as well as for the U.S. and general foreign examinee populations (Tables 8 and 13). For foreign examinees generally and for the majority of leading contingents, but not for U.S. examinees, this was true for verbal means as well.
- o <u>Parental educational attainment</u>. Some 44 percent of foreign and 43 percent of U.S. examinees reported that their fathers completed a four-year college degree; 33 percent of foreign as compared to 56 percent of U.S. examinees reported that their mothers had been educated



beyond the high school level. For 12 of the 25 leading contingents, reported father's educational level was greater than that for U.S. examinees, but this was true of mother's educational level for only one foreign contingent, namely, the Philippines (Tables 2 and 5).

In evaluating these data it is important to keep in mind that higher education enrollment rates (for example, the number of individuals enrolled in higher education as a percentage of the total population), historically have been much greater for the United States than for other countries. Based on data for the mid-1960s, for example, higher education enrollment rates for 11 of the 25 countries with 200 or more GRE examinees were less than one-tenth that for the U.S., while for 23 of the 25, the rate was less than one-half that for the U.S. (Taylor & Hudson, 1972). Thus, it is reasonable to infer that foreign examinees are more highly selected in terms of father's educational level, relative to their respective populations, than are U.S. examinees.

GRE performance. Examinees from families characterized by higher parental educational attainment had higher means on all three measures—true for both the U.S. and general foreign examinee populations, and with minor exception for the 25 leading foreign contingents (see Tables 8 and 13).

- o Sex distribution vs mother's educational attainment by country. It is assumed that differences in the sex distribution of examinees across countries reflect differences in national custom and tradition affecting women's roles and status, their access to higher education, and their choices of particular fields of study. The assumption is supported by the fact that among the 25 largest examinee groups, as the percentage of examinees reporting mother's education beyond the high school increased, the percentage of females in the contingent also increased (Table 5).
- examinees (who reported English as the secondary language of communication) while 37 percent were in the EPL category (Table 2). Three of the leading 25 contingents were 90 percent EPL, namely, those from Australia, Canada, and Great Britain; native patterns of English language acquisition and usage may reasonably be assumed for these EPL examinees. Other groups with relatively high EPL percentages were those from India, Nigeria, and the Philippines (roughly 70 percent), and Malaysia and Pakistan (about 50 percent and 40 percent, respectively); acquisition of EPL status as a bilingual is assumed for the majority of self-reported EPL examinees from these and other countries in which English is not the autochthonous language (Table 5). Most of the examinee contingents were relatively homogeneous linguistically—for 16 of the 25, a single language was reported as the native or best language by 80 percent or more of all examinees.

GRE performance. In the general foreign examinee population, those reporting EPL status had a higher verbal (and analytical) mean than their ESL counterparts, but had a lower mean on the quantitative



measure; in 21 of the 25 largest groups, self-reported EPL status was associated with higher verbal means, and the higher verbal/lower quantitative pattern was present in 19 of the 25 groups (see Tables 8 and 13). It is possible that this tendency may be accounted for by similarities across countries in patterns of differences between EPL and ESL subgroups with respect to field or sex-mix. EPL examinees regardless of country of origin do not appear to have an advantage on the quantitative measure, but typically do perform better than their ESL counterparts on the verbal test.

O U.S. residency status. Some 19 percent of all foreign examinees were resident aliens. However, this status was characteristic of between roughly 24 percent and 31 percent of examinees from all world regions except Asia—only 13 percent of Asian examinees reported resident alien status. The largest resident alien examinee contingents were from India, Iran, Canada, and Korea, in that order (Tables 1, 3, and 6).

GRE performance. Resident aliens had lower means than other foreign examinees on all three GRE measures. For the quantitative measure this was true for each of the 25 leading contingents, and resident aliens had lower analytical means as well in 23 of the 25 contingents (see Tables 9 and 12). Without control for field of study and sex, these comparisons should be evaluated tentatively.

Educational status at time of testing. Proportionately fewer foreign than U.S. examinees were enrolled undergraduates (29 percent vs 45 percent) and proportionately more were either nonenrolled master's degree holders (16 percent vs 8 percent) or were not classifiable according to one of the status categories provided (13 percent vs 5 percent) [Table 3]. For 23 of the 25 leading contingents, the percentage of nonenrolled master's degree holders was greater than that for the U.S. examinee population (Table 6).

GRE performance. Among U.S. and foreign examinees generally, and in most of the largest 25 country groups, those taking the GRE General Test as enrolled undergraduates had higher quantitative and analytical means than examinees generally or than those in other enrollment statuses. This pattern is generally consistent with observed differences in GRE performance by age--younger examinees earned higher scores and, theoretically, are more likely to be enrolled undergraduates. There may also be differences by enrollment status with respect to major field and sex-mix (see Tables 9 and 14).

o <u>Degree goal</u>. Proportionately more foreign than U.S. examinees planned to study toward a doctoral degree (45 percent vs 37 percent), and this was true for examinees from 15 of the 25 leading contingents (Tables 3 and 6).

GRE performance. Examinees with a doctoral degree goal had higher mean verbal, quantitative, and analytical scores than those working toward a master's degree in both the U.S. and general foreign examinee



population—true for the majority of the leading contingents (see Tables 9 and 12).

o Intended field. As previously noted, foreign examinees were very heavily concentrated in mathematics and physical sciences—engineering, math-sciences, and physical sciences accounted for 52 percent of foreign examinees as compared with only 15 percent of U.S. examinees; an additional 27 percent were in social science fields that accounted for 49 percent of all U.S. examinees. Thus, these two broad areas accounted for almost 80 percent of all foreign examinees. Only one group of examinees (that from Canada) was not more heavily oriented to the scientific and technical areas than U.S. examinees (Tables 3 and 6).

GRE performance. Intended majors in the arts and humanities and social sciences had lower quantitative scores than majors in biological and math and physical science fields, and the quantitative mean for math and physical science majors was markedly higher than that for other majors in both the U.S. and general foreign examinee populations. This was true for most of the 25 largest country groups. In the general foreign examinee population and in most of the 25 leading contingents, arts and humanities majors and, to a lesser extent, social science majors had higher verbal means than examinees generally, or than physical science majors. Among U.S. examinees this was true for arts and humanities majors only.

o <u>U.S. undergraduate origin</u>. Somewhat more than one-fourth (28 percent) of foreign examinees reported a U.S. undergraduate school. As might be expected, there was substantial positive correlation across countries between percentage reporting resident alien status and percentage reporting a U.S. undergraduate institution (Tables 3 and 6).

GRE performance. As was true for resident aliens, examinees reporting a U.S. undergraduate school had lower means than other examinees on the verbal, quantitative, and analytical measures. This was true for the quantitative measure in 22 of the 25 largest groups but was not so consistently true for the verbal measure (see Tables 9 and 12). Here again field of study was not controlled.

o Location of test center. Some 41 percent of all foreign examinees—over 80 percent of Mideastern and 66 percent of African examinees—were tested in a U.S. center. Countries represented by higher percentages of resident alien examinees tended to have higher percentages of examinees tested in U.S. centers, as would be expected (Tables 4 and 7).

GRE performance. Foreign examinees tested in the U.S. had substantially lower scores on all three GRE measures than their counterparts tested elsewhere. This was true for quantitative performance for each of the 25 leading contingents, for analytical performance in 23, and for verbal performance in 19 of the 25 groups (see Tables 10 and 12). There is no ready explanation for this finding.



o Incidence of repeating test-takers. About equal percentages of U.S. and foreign examinees (13 per nt vs 15 percent) reported previous experience with the GRE General (Aptitude) Test—that is, were repeaters. However, there was substantial variation across countries in the incidence of repeaters (Tables 4 and 7).

GRE performance. First-time test takers in the foreign examinee population had higher means than repeating examinees on all three measures, although this was not consistently true across countries. Incidence of test repetition(percent repeaters) tended to decrease as level of verbal performance increased (see Tables 10 and 16).

o Score reporting to schools and departments. At the time of the most recent test administration, foreign examinees were less inclined to designate particular schools or departments as score recipients than their U.S. counterparts (74 percent as compared to 87 percent). This was true for examinees from 24 of the 25 countries. Among foreign examinees who did report scores, the mean number of schools or departments designated (2.2) was slightly greater than for U.S. examinees who reported scores (2.0). This was true for 19 of the 25 leading contingents (Tables 4 and 7).

Link between incidence of repeated test taking and incidence of score reporting. There was substantial positive correlation between percentage of repeaters and percentage of nonreporting examinees across countries; both the tendency to repeat the GRE and the tendency not to report scores, for foreign examinees, appear to be linked to level of verbal performance (see especially data in Tables 7, 10, and 16).

GRE performance. In the foreign examinee population, those reporting scores to schools or departments had higher verbal means than their nonreporting counterparts, this was true for 22 of the 25 country contingents. Across countries, contingents with higher percentages of repeaters tended to have higher percentages of nonreporters. Among for eign examinees, both test repetition and failure to designate particular departments to receive score reports may be linked, conceptually, to lower than expected performance on the verbal measure (cf. Tables 10 and 16). A similar link between these testing-related variables has been found to obtain for U.S.-graduate-school-bound TOEFL-takers (Wilson, 1982b).

o GRE Subject Test taking. In both the foreign and U.S. examinee populations, about one examinee in five who took the GRE General Test also took a Subject Test. Percentages taking a Subject Test varied markedly by country, however, being highest among European examinees and lowest among examinees from African and Mideastern countries (Tables 4 and 7).

GRE performance. In the U.S. and general foreign examinee populations, those taking a Subject Test had higher means on all three General Test measures than those who did not do so.

A Brief Summary

To summarize very generally, comparative profiles of examinee characteristics, and an indication of the direction of the difference between the designated subgroup means and the respective general population means, for the U.S. and general foreign examinee populations are shown in Figure 3.

Personal Characteristics

As compared to U.S. examinees, the general foreign examinee contingent included proportionall; more males (with higher scores than females in both populations), but proportionally fewer enrolled undergraduates and younger examinees below 23 years of age (and both these subgroups had higher average GRE scores than their respective population means).

About equal percentages of U. S. and foreign examinees reported that their fathers had completed a four-year college degree; proportionally fewer foreign examinees reported mother's education beyond the high school level (in both of the general populations, higher levels of parental education were associated with GRE score averages above the population mean).

Only 3? percent of foreign examinees as compared with 98 percent of U.S. examinees reported EPL status, and within both contingents EPL status was associated with higher averages on the verbal and analytical measures than ESL status, consistent with expectation.

Academic Characteristics

Proportionally more foreign examinees reported a Ph.D. degree goal and, in both populations, Ph.D. seekers earned higher GRE scores than master's degree seekers). More than one-half of foreign examinees, but only 15 percent of U.S. examinees, were in mathematics and physical science fields (with quantitative scores averaging above the respective population means); almost half of U.S. examinees, but only about one-fourth of foreign examinees, were in social sciences (with quantitative score means below population levels). And, the two examinee populations differed rather sharply with respect to the percentage of examinees taking the GRE as enrolled undergraduates (with typically higher quantitative scores), consistent with differences in the proportion of younger examinees (< 23 years).

Testing Related Characteristics

Foreign examinees tested in the U.S. (41 percent) tended to have lower GRE scores than foreign examinees generally, as did those who reported attending a U.S. undergraduate institution (28 percent) and resident alien status (19 percent), respectively (data not shown in Figure 3).

Incidence of test repetition was about equal in the general foreign and U.S. examinee populations and repeaters had lower quantitative scores than nonrepeaters in both populations. Foreign examinees were less inclined to



26

	xxxxx = Foreign ooooo = U.S.	 -		
Subgroup of	00000 = 0.5.		meral Test P	
examinees	0 10 20 30 40 50 60 70 80 90 100	Subgroup (High Verbal	vs all exam er = +; Lower Quantita-	r = -)
DEMOGRAPHIC		141042	tive	MUNITAGE
Hale (Non-t	J.\$.)00000000000000000000000000000000000	± +	+	- +
Less than 23 years of age	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	++	+ +	+ +
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Mother educated beyond high school level	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	.	+	.
English best language	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	· ÷		<u> </u>
ACADEMIC		' -	······································	
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Intended graduate field:				
Mathematics/physical sciences	20000000000000000000000000000000000000	+	+ +	++
Social sciences	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	+	-	-
Biosciences	XXXXXX (14)	+	. # +	-
Arts and Humanities	XXXX (8) 00000000 (14)	+	-	-
Enrolled undergraduate	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	+	+ +	+ +
ESTING RELATED				
Tested in U.S. center	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	-))	No differen	~ ce
Was a repeating test taker	XXXXXXXX (15)	- +	~	-
Did not report scores	XXXXXXXXXXX (26) 0000000 (13)	-	+ +	
	0 10 20 30 40 50 60 70 80 90 100 Percentage of examinees with characteristic	_		

Figure 3. Kepresentation of various subgroups in the U.S. and general foreign examinee populations, and the direction of differences between subgroup and population means on the GRE General Test: 1981-82



designate an institution or department to receive their GRE score report than their U.S. counterparts.

With respect to the foregoing, although there were differences in the composition of the largest 25 groups of foreign GRE examinees with respect to the characteristics under consideration, the patterns of subgroup differences in GRE performance tended to be similar in most of the country groups—that is, for example, in all or most of the groups, younger examinees had higher GRE score means than older ones, males had higher quantitative means than females, and so on.

Finally, in the comparisons involving the GRE quantitative measure in Figure 3, the direction of subgroup differences was the same within both the U.S. and the general foreign examinee populations in 11 of 13 instances, but this was true for the verbal and/or analytical measure in only 7 of 13 comparisons. This is consistent with evidence (for example, Exhibit C) that performance on the quantitative measure, but not performance on the verbal and analytical measures, is relatively independent of linguistic-cultural background variables.

Discussion

The average quantitative performance of foreign examinees generally appears to be comparable to that of U.S. examinees in similar fields of study, but their average verbal (analytical) performance falls consistently below that of their U.S. counterparts. It is reasonable to infer that this is due to factors associated with their less-than-native levels of fluency in English, including diminished speed of verbal processing in the nondominant language.

In evaluating this, it should be noted that for U.S. examinees the GRE General Test measures primarily differences in level of developed verbal, quantitative, and analytical reasoning abilities—that is, these measures have been found to be relatively unspeeded in samples of U.S. examinees classified by age, ethnic group, and sex (Wild & Durso, 1979). However, foreign examinees from non-English-speaking societies have been found to have lower test completion rates than U.S. examinees on the verbal sections of the GRE General Test (Angelis, Swinton, & Cowell, 1979), and on the verbal sections of the Graduate Management Admission Test (GMAT) as well (Sinnot, 1980)—that is, there is evidence suggesting that standard U.S. graduate—level verbal admission tests are measuring speed of verbal processing as well as level of developed verbal ability in samples of foreign ESL examinees. These findings are consistent with those from research on speed of processing and language dominance focused primarily on the "decoding (comprehension) and encoding (production) of spoken language" (emphasis added), reviewed by Dornic (1980).

Research is needed to establish the average levels of performance attainable by foreign and U.S. examinees on the GRE verbal measure under essentially unspeeded conditions. Similar research is needed for the analytical and quantitative measures even though, on the latter, the performance of foreign-ESL examinees is fully comparable to that of U.S. citizens.



Such research would be most enlightening if conducted for contingents of examinees selected according to discrepancy between observed verbal score and that predicted from quantitative score using a regression equation based on U.S. examinees. This Relative Verbal Performance Index (RVPI) may be thought of as indexing an "English proficiency deficit" (EPD) in level of verbal performance relative to quantitative performance (see Exhibit C and related discussion). It is reasonable to hypothesize (a) that for examinees with very low RVPI scores, GRE scores tend to be affected by low levels of English proficiency, and (b) that the degree of speededness of the verbal (analytical) measure should be greater for examinee contingents with lower EPD indices (for example, Japan, Taiwan, Saudi Arabia), than for contingents with higher EPD indices (for example, India, Nigeria, the Philippines). It is equally plausible to hypothesize that the verbal measure is likely to be no more speeded for contingents from major English-speaking societies than for U.S. examinees.

If differences in verbal test performance between foreign ESL and U.S. examinees with comparable quantitative scores, in similar fields, are significantly influenced by differences in speed of verbal processing, then the graduate school performance of foreign ESL students is likely to be higher than expected for U.S. students with equally low verbal scores. As noted elsewhere (Wilson 1982b), under normal conditions of academic life, foreign ESL students typically may be able to composate for relatively low speed of English language verbal processing (e.g., reading speed) by additional time on task. On the other hand, language is a variable that may affect both performance on the test and on the criterion measure of academic performance.

At this juncture, it is important to recognize that scattered studies of the predictive validity of scores on standard verbal admission tests (such as GRE verbal, GMAT verbal, and the Law School Admission Test) provide limited, but consistent, evidence that within samples of foreign students that are hetergeneous with respect to country of origin (and associated potentially attenuating variables), differences in verbal scores (as well as quantitative scores when used) tend to be positively related to differences in academic performance as measured by grade point average and/or faculty ratings (for example, Harvey & Lannholm, 1961; Harvey & Pitcher, 1963; Sharon, 1972; Schrader & Pitcher, 1976; Wilson, 1979; several unpublished GMAT studies conducted by the Graduate Management Admission Council Validity Study Service at ETS).

In these studies, where academic performance data were also available for U.S. students, the level of academic performance of foreign students was generally comparable to that of their U.S. counterparts despite their much lower verbal scores; quantitative scores typically were either comparable to or somewhat higher than those of U.S. students. These studies did not examine differences in predictive validity for examinees by country of citizenship.

In validation research involving foreign students, particular attention should be given to questions regarding predictive validity for examinees in subgroups that are homogeneous with respect to such variables as national origin, and/or native language, and measured level of English proficiency (for example, level of verbal performance relative to quantitative performance, score-level on TOEFL, and so on).



Questions regarding the comparative predictive validity of standard admission tests for foreign and U.S. students require empirical answers. It is important to extend the limited body of validity study evidence currently available on foreign students.* Evidence is needed regarding the academic performance of U.S. and foreign students, and of foreign students with different linguistic-cultural backgrounds, in relation to GRE scores.

It is equally important to study the performance of foreign examinees on the various GRE Subject Tests relative to their performance on the GRE General Test, to assess the degree of speededness of the GRE Subject Tests for foreign examinees, and to ascertain their predictive validity for foreign students. Since the verbal content of these tests is heavily discipline-oriented, in contrast to the general "curriculum free" orientation of the verbal items in the GRE General Test, it is hypothesized that for foreign examinees level of performance on the GRE Subject Tests is likely to be less influenced by linguistic and cultural variables than performance on the GRE General Test.

In an unusually thorough study at the undergraduate level, involving foreign students from Hong Kong in California System institutions, Wilcox (1974) found substantial predictive validity for the College Board Achievement Tests (an average based on two or three different achievement test scores that were available). He concluded: "Both the high achievement scores earned by the Hong Kong students and the validity of those scores in predicting freshman grades suggest that cultural bias is minimized in subject-matter proficiency tests" (p. 99).

Generally speaking, it seems evident that the periodic comparative summarization and analysis of data on the characteristics and the test performance of foreign nationals and U.S. examinees taking the GRE would provide information useful to the entire graduate community and, indeed, all agencies concerned with international students in the United States. While not all foreign nationals enrolled in U.S. graduate schools take the GRE, it is safe to assume that these test takers represent a very significant sample of foreign nationals studying or planning to study here. The standard data supplied by foreign nationals in registering for and taking the GRE constitute a basic resource for obtaining up-to-date and reliable information regarding their demographic, academic, and testing-related characteristics as well as their performance on standardized admission tests that are oriented linguistically, culturally, and educationally to U.S. citizens.



^{*}The Graduate Record Examinations Board currently is sponsoring a special cooperative study of the predictive validity of GRE scores for foreign students in a variety of fields.

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Appendix A

Detailed Information on Data Sources

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GRE Background Question Defining Citizenship Status, and

Country of Citizenship Code List: 1981-82

- B.1 Are you a United States citizen, a resident alien in the United States, or neither one? (Specify which one.)
 - (1) United States citizen
 - (2) Resident alien in the United States
 - (3) Neither a United States citizen nor a resident alien in the United States

If your answer to B.1 is (1), you need not answer B.2. Skip to C.

B.2 In the Country of Citizenship Code List on page 73, find the code of the country of which you are a citizen. Blacken the spaces for that country's code number.

_		-CO	UNTRY OF CITI	ZEN	SHIP COD	E L	IST (for Question	B.2)	
301	Afghanistan	719	Costa Rica	325	India	743	Mexico	532	Solomon Islands
601	Albania	722	Ciga	328	Indonesia	657	Monaco	201	Sometia
101	Algeria	413	Cyprus	331	WAD	367	Monopha	201	South Africa (Republic of)
501	American Samos	414	Czechoslovakia	334	Iraq	174	Morocco	660	Spain.
603	Andorra	619	Denmark	646	Ireland	178	Mozembioue	384	Sri Lanka
102	Angola	126	Disporti	337	Israel	522	Nauru	207	Sudan
601	Argentina	725	Dominican Republic	649	Italy	370	Nepal	754	Surinam
504	Austrana	816	Ecuador	149	Ivory Coast	658	Netherlands	210	Swattend
603	Austria	128	Egypt	740	Jamaica	744	Netherlands Antities	843	Sweden
805	Atores	728	El Salvador	340	Japan	523	New Caledonia	446	Switterland
701	Bahamas	131	Equatorial Guinea	343	Jordan	528	New Zealand	396	Seria
304	Behrein	134	Ethiopia	346	Kampuchea	749	Nice/eque	319	Taiwan
307	Bengladesh	631	Federal Republic of Germany	152	Kenya	182	Niger	213	Tanzania
704	Berbedos	510	F#	514	Kirrbati	186	Nigeria	401	Theiland
607	Belgium	625	Finland	349	Korea	851	Norway	216	Togo
706	Belize	620	France	362	Kuwan	373	Oman	635	Tonga
125	Benifi	818	French Guiana	365	Leos	376	Pakralan	758	Trinided and Tobago
/10	Bermude	534	French Polynesia	358	Lebenon	752	Panama	219	Tunisia
310	Bhutan	137	Gabon	155	Lesotho	525	Papus New Guinea	404	Turkey
- 80 4	BOUND	140.	Gembie	156	-Liberia	822	Paraguay	227	Udanda
104	Botswana	832	German Democratic Rep	161	Libya	487	People's Republic of China		Union of Soviet Socialist Res
807	Brazil	143	Ghana	**651	Liechtenstein	825	Peru	405	United Arab Emirates
313	Brunei	622	Great Britain	663	Luxembourg	376	Philippines	760	United States of America
610	Bulgeria	634	Greece	360	Maceo	864	Poland	225	Upper Volta
316	Burma	637	Greenland	184	Madegascar	667	Portugat	626	Uruguay
107	Burundi	729	Grenada	663	Madeva	753	Puerto Rico	قعة	Vatican
110	Cemeroon	730	Guadaloupe	167	Malawi	362	Ceter	831	Venezuela
761	Canada	513	Guam	361	Malaytia	671	Romania	407	Vieinam
114	Cape Verde Islands	731	Guatemala	364	Maldives	191	Rwanda	761	Virgin Islands
507	Caroline Islands	146	Guines	170	Mau	679	Sen Marino	537	Western Samos
716	Cayman Islands	187	Guinea-Bresau	885	Matta	192	\$60 Tome and Principe	764	West Indies Associated States
116	Central African Republic	616	Guyana	516	Mariana Islanda	386	Saudi Arabia	410	Yemen
119	Chad	734	Haiti	742	Martinique	194	Senegal	882	Yugoslavia
₩10	Chile	737	Honduras	519	Marshall Islands	196	Sevenelles	226	Zarre
#13	Colombia	322	Hong Kong	173	Mauritania	19;	Sierra Leone	231	Zembia
121	Cornoros	640	Hungary	366	Mauritius	301	Singapora	188	Zimbahwe
122	Conac	843	Iceland						**************************************



GRE Background Questions on English Communication Status, and Native

Language Code List: 1981-82

F 1 Do you communicate better in English than in any other language?

(1) Yes (2) No

If your answer to E.1 is "Yes," you need not answer E.2. Skip to

E.2 Find your native (or best) language of communication in the list on page 73: The languages are arranged by geographic area for your convenience. Blacken the spaces for the code number shown. If you do not find your native (or best) language listed, blacken the spaces for code 000.

NATIVE LANGUAGE CODE LIST (for Question E.2)

AFE	NCA	167	Setswana	320	Gujarati	366	Urdu	464	Romanian
101	Afrikaans	100	Siswati	323	Hindi	344	Vietnemese	467	Ruse an
104	Alten /	170	Shone	326	lioceno	361	Visayan	470	Serbo-Croation
107	Amheric	173	Someli	326	Indonesian	393	Yı .	473	Slovek
510	Arabic	179	Tigrinya	331	Japanese	306	Zhuerg	475	Slovens
110	Bembers	182	Twi-Fante	332	Javanese			478	Spenish
111	Bembe	185	Wolof	336	Kennada (Kanerese)	EUR	OPE	481	Swedish
113	Berber	180	Yoruba	336	Kashmiri	401	Armenian	484	Turkish
114	Chichewe	191	Zutu	330	Kazakh	404	Basque (Euskara)	487	Ukrainian
116	Elik	-		341	Khelkha Mongolian	407	Bulgarian		
422	English	AME	RICAE	340	Koreen	410	Cetalan	MIDI	DLE EAST
119	Erre	203	Aymera	342	Kurdish	413	Czech	501	Arabic
434	Franch	419	Dutch	343	Lao	416	Danish	401	Armenian
122	Sulani	422	English	345	Meley	419	Dutch	422	English
126	Ga .	434	French	346	Malayalam	422	English	434	French
127	Galla	201	Gustani	348	Marathi	425	Estonian	504	Farsi
133	Hauss	461	Portuguese	361	Nepale	420	Finnish	507	Hebrew
136	ibo	206	Quechue	363	Oriya	431	Flornish		
138	Kikongo	476	Spanish	356	Punjabi	434	French	PACI	FIC REGION
142	Kihuvu			367	Pushtu	436	Georgian	422	English
176	Kinnahili	ASIA	Υ	368	Resestheni	437	German	801	Fillen
145	Lingels	301	Assamese	360	Sindhi	440	Greek	434	French
148	Luba-Luiua	304	Beluchi	361	Sinhatose	443	Hungstien	804	Kusaman
151	Luganda	306	Bengali	364	Sundanese	447	icetandic	807	Marshellese
153	Luo	304	Behari	367	Yagalog	450	Italian	610	Peleven
156	Malegasy	307	Burmese	370	Yamii	452	Latvian	613	Ponecean
150	Mainha (Mandingo)	310	Cambodian (Khmer)	371	Tata/	453	Lithuanian	618	Samoen
162	Mende	312	Cabuano	373	Telugu	464	Macedonian	619	Tabilian
461	Portuguese	315	Chinese (Mandann,	376	Thei	455	Manata	622	Tongan
164	Sangho	•••	Cantonese etc.)	379	Tibelan	454	Norwegian	625	Trukese
165	Second	422	English	382	Tulu	450	Poissi	626	Uliman
166	Sesotho	434	French	364	Uighur	461	Portuguese	631	Yapese



GRE Background Questions on Graduate Degree Objective, Parental Educational Attainment, Undergraduate and Graduate Field,

and Previous Experience with GRE Tests: 1981-82

- A. Have you previously taken one or more GRE tests?
 - (1) No
 - (2) Yes—took the test(s) on or prior to September 30, 1981
 - (3) Yes—took the test(s) more recently than September 30, 1981

If you are not registering for the Locater Service, and your answer to question A is (3), and your responses to the rest of the questions would be the same as they were before, you need not answer the questions again. If your responses to any of the rest of the questions would be different, please respond again to all of them.

- J. What is your eventual graduate degree objective?
 - (1) Nondegree study
 - (2) Master's (M.A., M.S., M.Ed., etc.)
 - (3) Intermediate (such as Specialist)
 - (4) Doctorate (Ph.D., Ed.D., etc.)
 - (5) Postdoctorate study
- Referring to the Major Field Code List on page 72, find your undergraduate major field of atudy. Blacken the spaces for that field's code number.
- K. Referring to the Major Field Code List on page 72, find the field in which you plan to do your graduate work. Blacken the spaces for that field's code number. If you are undecided, use the following code:
 OO Undecided

- U. What was the highest level of education attained by your
 - (1) Did not graduate from high school
 - (2) High school graduate
 - (3) Beyond high school but did not graduate from a fouryear college
 - (4) Graduate of a four-year college
 - (5) Beyond college but did not receive a graduate or professional degree
 - (6) Graduate or professional degree
- V What was the highest level of education attained by your mother?
 - (1) Did not graduate from high school
 - (2) High school graduate
 - (3) Beyond high school but did not graduate from a fouryear college
 - (4) Grad rate of a four-year college
 - (5) Beyr id college but did not receive a graduate or professional degree
 - (6) Graduate or professional degree

DEPARTMENT CODE LIST (for Item 13)—MAJOR FIELD CODE LIST (for Questions I and K)

HISMANTIES

11 Archaeology
12 Archaeology
13 Clessical Languages
28 Comparative Learning
28 Comparative Learning
28 Comparative Learning
28 Comparative Learning
29 For Eastern Languages and
Learning
15 Fine Arts, Art, Deegn
16 French
17 German
58 Ralein
04 Linguatios
19 Music
57 Neer Eastern Languages and
Learning
20 Philosophy
21 Relegous Studies or Religion
22 Russian
23 Spanish

SO Other Humannes

MCIAL SCIENCES

FF American Studies

1 Androgotogy

12 Summers and Commerce

10 Communication

10 Education (including M.A.:

Teaching)

10 Educational Administration

10 Educational Psychology

10 Geography

10 Geography

11 Outdonce and Counseling

12 Heliony

13 Including Relations and

Personnel

14 Journalist

15 Journalist

16 Journalist

16 Journalist

17 Including Relations

16 Journalist

18 Journalist

19 Journalist

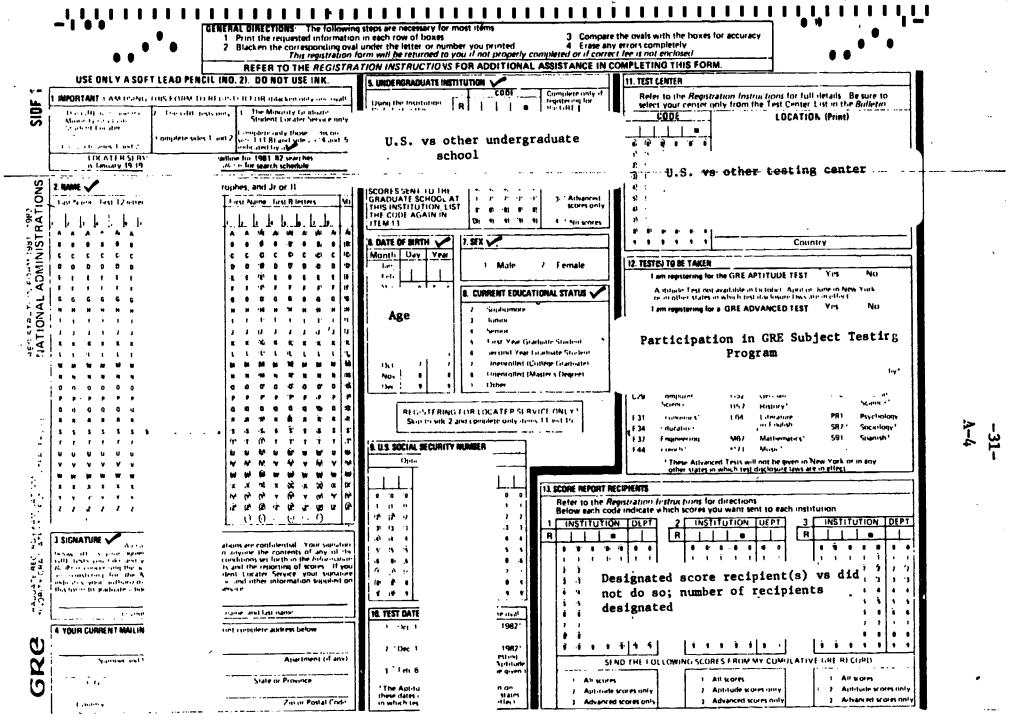
19 Journalist

10 Library Science

1 Physical Education
2 Political Spances
3 Paychology
4 Public Administration
5 Bowl Subdes
9 Social Psychology
6 Social Psychology
6 Social Psychology
7 Urban Development (Regional Planning)
10 Other Social Sciences
11 Agrochime
2 Anatoning
2 Anatoning
1 Social Sciences
1 Social Sciences
2 Anatoning
1 Social Sciences
2 Social Science

CB Clarencia
41 Home Economics
42 Home Economics
43 Home Economics
45 Home
46 Home
67 Horosology
48 Nume
49 Home
67 Horosology
48 Nume
67 Horosology
49 Home
60 Coupethral Therapy
40 Coupethy
60 Persology
60 Persology
60 Persology
61 Phomesology
62 Phomesology
63 Phomesology
64 Physical Therapy
65 Physical Therapy
66 Physical Physical
67 Phomesology
68 Physical Therapy
68 Physical Therapy
68 Physical Therapy
69 Public Politics
61 Volume Home
61 Volume
6

PRIVATE AL STREETS
81 Applied Mathematics
81 Applied Mathematics
81 Applied Mathematics
81 Applied Mathematics
82 Community
78 Community
78 Community
68 Engineering, Charincal
68 Engineering, Charincal
68 Engineering, Spourcel
69 Engineering, Stockhaneal
60 Engineering, Utder
71 Gelding
72 Mathematics
73 Mathematics
74 Manny
75 Mostaling
74 Manny
75 Cocenterativy
76 Physics
60 Citier Physical Sciences
60 Citier Physical Sciences
60 Citier Physical Sciences



A.4. Registration form items yielding selected study data



Classifications of Disciplines within Broad Areas

Humanities:

Arts=Dramatic Arts Other Humanities=Archaeology

Music Art History

Art History Comparative Lit.

Classical Lang. English French

Design Far Germ

Far Eastern Lang. French
German Italia
Linguistics Near E

Italian Near Eastern Lang.

Philosophy Russian

Religion Spanish

Architecture

Speech

Other Foreign Lang.

Other Humanities

Social Sciences:

Education=Education

Fine Arts, Art,

Other Social Schences=Business and Commerce

Communications

Educational Psych.
Guidance and Counseling

Educational Admin.

Industrial Relations Journalism

Journa Law

Guidance and Counseling Physical Education

> Library Science Public Administration

Social Work

Behavioral Sciences=American Studies

Economics

Anthropology Geography

History Psychology International Rel. Slavic Studies

Social Psychology

Sociology

Urban Development Other Social Sciences

Political Science and Government

Biological Sciences:

Biosciences=Biochemistry

Health=Anatomy

Optometry

Biology Biophysics Botany Genetics Microbiology Physiology Audiology
Bacteriology
Dentistry
Health Admin.
Medicine

Nursing

Osteopathy
Parasitology
Pathology
Pharmacology
Pharmacy

Zoology Other Biological Sci. Nutrition Occupational Therapy Physical Therapy Public Health

Other Applied Biological Sciences=Agriculture

Entomology
Forestry
Home Economics
Veterinary Medicine

Physical Sciences:

Engineering-Aeronautical Eng.

Chemical Eng. Civil Eng. Electrical Eng. Industrial Eng. ,Math. Science=Applied Mathematics Computer Sciences

Computer Sciences
Mathematics
Statistics

Mechanical Eng. Other Eng. Metallurgy Mining Physical Science=Astronomy

Chemistry
Physics
Geology
Oceanography

Other Physical Sciences

Appendix B

Tabular Summmaries of, Data for Foreign Nationals and a 10 Percent Sample of U.S. Citizens Taking the GRE General (Aptitude) Test During 1981-82

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	1701~040 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	JU



TABLE 1, DISTRIBUTION BY COUNTRY AND REGION OF NON-U. S. CITZIENS TAKING THE GRE GENERAL TEST, 1931-82, ACCORDING TO REPORTED U. S. RESIDENCY STATUS: LEADING 25 COUNTRIES PLUS REGIONAL AND NON-U. S. TOTALS

COUNTRY OF CITIZENSHIP	NUMBER OF		RESTORN	T ALYFN	OTHER NON-U. S.				
AND REGION	EXAMINEES		PER CENT	PER CENT OF		PER CLUT	PER CENT OF		
•	N	NO.	BY COUNTRY	NOH-U. S. TOTAL#	NO.	BY COUNTRY	NON-U. S. TOTALE		
AFRICA-TOTAL##F	(2173)	601	27.66	2.27	1572	72.34	5.94		
· NIGERIA	(883)	298	33.75	1.13	505	⊍6.25	2.21		
AMERICA-TOTAL##	. (4297)	1144	26.62	4.32	3153	73.38	11.92		
HEXICO	(631)	124	19.65	0.47	507	30.35	1.92		
CANADA	(1470)	326	22.18	1.23	1144	77.82	4.32		
BRAZIL	(254)	51	17.35	0.19	243	82.65	0.92		
COLOMBIA	(236)	69	29.24	0.26	167	70.76	0.63		
VEKEZUELA	(396)	60	15.15	0.23	336	34.85	1.27		
ASIA-TOTAL##	(14443)	1903	13.18	7.19	12540	26.82	47.40		
TAIMAN	(3791)	316	8.34	1.19	3475	71.66	13.14		
HONS KONG	(674)	163	24.18	0.62	511	75.82	1.93		
INDIA	(4210)	382	9.07	1.44	3828	90.93	14.47		
INDORESIA	(275)	51	18.55	0.19	224	31.45	0.85		
JAPAN	(894)	139	1.5.55	0.53	755	34.45	2.85		
KOREA	(1547)	310	20.04	1.17	1237	79.96	4.68		
HALAYSIA	(628)	67	10.67	0.25	561	39.33	2.12		
PAKISTAN	(266)	46	17.29	0.17	220	32.71	0.83		
FHILIPPINES	(467)	90	19.27	0.34	377	30.73	1.43		
THAI LAND	(778)	83	11.31	0.33	690	38.69	2.61		
EUROPE-TOTAL##	(2920)	698	23.90	2.64	2222	76.10	8.40		
TURKEY	(248)	35	14.11	0.13	213	35.89	0.81		
GREAT BRITAIN	(599)	198	33.06	0.75	401	66.94	1.52		
FRANCE	· (297)	43	14.48	0.16	254	85.52	0.96		
FED. RP. GERMANY	(267)	81	30.34	0.31	186	69.66	0.70		
GREECE	(424)	81	19.10	0.31	343	80.90	1.30		
MIDEAST-TOTAL##	(2316)	711	30.70	2.69	1605	69.30	6.07		
IRAN	(1119)	372	33.24	1.41	747	66.76	2.82		
LEBANON	(332)	105	31.63	0.40	227	68.37	0.86		
SAUDI ARABIA	(272)	73	32.68	0.28	149	67.12	0.56		
PACIFIC-TOTAL##	(306)	74	24.18	0.28	232	75.82	88.0		
AUSTRALIA	(210)	• 45	21.43	0.17	165	78.57	0.62		
ALL NON-U. S. TOTAL##	(26455)	5131	19.40	19,40	21324	30,60	80.60		

#BASE FOR PERCENTAGES IS THE TOTAL NUMBER OF NON-U. S. CITIZENS, ALL COUNTRIES (N = 26,455).
##REGIONAL AND NON-U. S. TOTALS INCLUDE EXAMINEES FROM ALL COUNTRIES, NOT JUST THE LEADING COUNTRIES; THUS SUM OF DETAIL FOR
LEADING COUNTRIES IS LESS THAN THE REPORTED TOTALS. THIS PATTERN IS FOLLOWED IN PRESENTING DATA IN SUBSEQUENT TABLES UNLESS
OTHERWISE NOTED.



TABLE 2. SEX, AGE, FAMILY EDUCATION, AND LANGUAGE BACKGROUND: U.S. CITIZENS VS. NON-U.S. CITIZENS, 1981-82

VARIABLE	U.S. CITIZE	NON-U.S. CITIZENS				
	NO. OF EXAMINEES	×	NO. OF EXAMINEES	×		
SEX						
*MALE	6619	43	19020	73		
FEMALE	8850	57	7212	27		
TOTAL	15469	100	26232	100		
AGE	_					
	m.		2440	21		
BELON 23	5185	33	5449	41		
*23-26	4 86 0	31	10726	22		
*27-30	2245	15	5677			
31+	3191	21	4211	16		
TOTAL	15481	100	26063	100		
FATHER'S EDUCATION						
#4-YR. COLLEGE OR MORE	6537	43	10817	44		
LESS THAN 4-YR. COLLEGE	852 2	57	13542	56		
TOTAL COLLEGE	15059	100	24359	100		
HOTHER'S EDUCATION	\.\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		No.			
	. \					
MORE THAN HIGH SCHOOL	8457	56	8055	33		
*HICH SCHOOL OR LESS	6611	44	16187	67		
TOTAL	15068	100	24242	100		
BEST LANGUAGE						
PURI VALI	15012	98	9553	37		
ENGLISH	312	ž	16300	63		
*OTHER	15324	100	25353	100		
TOTAL	19364	200				

"#" INDICATES THAT THE PERCENT OF EXAMINEES IN THIS SUBGROUP IS HIGHER AMONG NON-U. S. CITIZENS THAN AMONG U. S. CITIZENS.

TABLE 3. CURRENT EDUCATIONAL STATUS, DEGREE GOAL, INTENDED GRADUATE FIELD, LOCATION OF UNDERGRADUATE INSTITUTION, AND U.S. RESIDENCY STATUS: U.S. CITIZENS VS. NON-U.S. CITIZENS, 1981-82

VARIABLE	U.S. CITIZE	Na .	HON-U.S. CITIZ	ENS
	NO. OF EXAMINEES	Z	NO. OF EXAMINEES	X
DEGREE GOAL				
*PII.D.	5666	37	11146	45
H.A./H.S.	9447	63	13802	55
TOTAL `	15113	100	24948	100
INTENDED GRADUATE FIELD	• .	No. No.		
ARTS AND HUMANITIES	1781	14	1745	8
SOCIAL SCIENCES	6497	49`~(6061	27
BIOSCIENCES	2876	22	3222	14
WHATHEHATICS AND PHYSICAL SCIENCES	2007	15	11742	52
TOTAL	13161	100	22770	100
UNDERGRADUATE SCHOOL	;			
U.S. INSTITUTION	14951	96	7271	28
*MON-U.S. INSTITUTION	687	4	19134	72
TOTAL	15638	100	26405	100
EDUCATIONAL STATUS				
ENROLLED UNDERGRADUATE	6966	45	7169	29
NON-EKROLLED B.A./B.S.	4166	27	5600	23
*EIMOLLED GRADUATE	2366	15	4598	19
*HOU-EHROLLED M.A./M.S.	1200	8	3863	16
*OTHER STATUS	786	5	3537	14
TOTAL	15484	100	24767	. 100
RESIDENCY STATUS				4
RESIDENT ALIEN			5131	19
OTHER STATUS	NOT APPLI	CABLE	21324	81
TOTAL			26455	100

"" INDICATES THAT THE PERCENT OF EXAMINEES IN THIS SUBGROUP IS HIGHER AMONG NON-U. S. CITIZENS THAN AMONG U. S. CITIZENS.

TABLE 4. TEST TAKING AND SCORE REPORTING PATTERNS: U.S. CITIZENS VS. NON-U.S. CITIZENS, 1981-82

VARIABLE	U.S. CITIZE	4 3	NON-U.S. CITIZENS				
.7	NO. OF EXAMINEES	Ż	NO. OF EXAMINEES	X			
TEST CENTER	37400	99	10899	41			
IN U.S.	15489	1	15:49	59			
*NOT IN U.S. TOTAL	149 1 5 638	100	26348	100			
EXPERIENCE WITH GRE		67	22379	85			
FIRST TIME EXAMINEE	13650	87	3937	15			
*REFEATER	1967	13	26316	100			
TOTAL	15617	100		200			
SENT SCORE REPORT(S)			,				
TO DEPARTMENT		.7	14621	74 8			
YES	1.603	87	5174	26			
*KO	2034	13	19795	100			
TOTAL	15637	100	17/73	200			
TOOK GRE SUBJECT TEST ##							
YES, ARTS AND HUMANITIES	386	22	317	21			
WYES, SOCIAL SCIENCES	1225	19	1346	25			
WYES, BIOLOGICAL SCIENCES	5 53	20	691	26			
YES, MATH. OR PHYSICAL SCIENCE	760	39	2763	36			
YES, SCHE FIELD	3307	21	5586	. 21			

"" INDICATES THAT THE PERCENTAGE OF EXAMINEES IN THIS SUBGROUP IS HIGHER AMONG NON-U. S. CITIZENS THAN AMONG U. S. CITIZENS.

#CODING FOR SCORE REPORTING VS. NON-REPORTING WAS MISSING FOR A SUBSTANTIAL NUMBER OF EXAMINEES FROM THO COUNTRIES (INDIA AND TAILIAN), THUS ACCOUNTING FOR THE REDUCED N FOR THIS ITEM. DATA WERE ESSENTIALLY COMPLETE FOR ALL OTHER COUNTRY CONTINGENTS.
SEE TABLE 7 FOR COMPARABLE PERCENTAGES, BY COUNTRY, FOR 25 LEADING COUNTRY CONTINGENTS, INCLUDING INDIA AND TAILIAN.

##EXCEPT FOR THE "YES, SOME FIELD" CATEGORY, THESE ARE PERCENTAGES OF EXAMINEES, BY CITIZENSHIP, AND INTENDED GRADUATE FIELD 1990 TOCK A GRE SUBJECT (ADVANCED) TEST. APPROXIMATELY 21 PERCENT OF ALL U. S. CITIZENS AND 21 PERCENT OF ALL NON-U. S. CITIZENS TOOK A SUBJECT TEST.

REGION AND	NO. OF	SEX	AGE	FAMILY EDUCA	ATION DATA	NAT	TIVE (OR BEST) LANGU	JAGE
COUNTRY			(IN YEARS) (< 27) HEAN %	FATHER 4-YR. COLL. GRAD	MOTHER BEYOUD H. S.	ENGLISH IS BEST LANGUAGE	HOST, FREVALENT L AND PER CENT OF C REPORTING	:Chtingen IT#
	N	×		×	%	%	LANGUAGE	%
AFRICA-TOTAL	(2173)	82+*	28.6+* 38	30	24	52+	a	
NIGERIA	(883)	85+ *	29.0+* 34	29	27	66+	ENGLISH	64
AMERICA-TOTAL	(4297)	61 *	27.1+* 59	41	41+	46+		٠
MEXICO	(631)	77+ *	26.4 63	44 *	36+	8	SPANISH	89
CANADA	(1470)	52 *	26.3 68	39	47+	93+	ENGLISH	92
	(294)	71 *	27.8+* 49	51+ *	44+	7	PORTUDUESE	89
BRAZIL		. 67 *	26.4 57	48+*	33	10	SPANISH	88
COLCMBIA VENEZUELA	(236) (396)	63 *	29.5+* 38	39	30	5	SPANISH	92
ASIA-TOTAL	(14443)	74+*	26.1 64	49+*	32	36		
TAV 11411	(7701)	70 #	26.1 63	39	23	15	CHINESE	89
TAIRAN	(3791)	70 *		20	19	15	CHIRESE	82
HCKS KONG	(674)	72 *	24.4 82	68+ *	43+	71+	UNLISTED	46
INDIA	(4210)	84+#	24.5 79	22	17	12	INCOMESIAN	82
INDONESIA	(275)	86+*	30.4+* 43	26 54+¥	40+	5	JAPAKESE	83
JAPAN	(894)	68 *	27.6+* 49		29	10	KOREAN	87
KOREA	(1547)	79+ *	27.7+* 44	52+ *		52+	EKGLISH	50
MALAYSIA	(628)	71 *	27.34* 53	12	10	40+	URDU	45
PAKISTAN	(266)	86+*	27.5+* 54	58+*	30 77. ×	70+	EKSLISH	69
Philippines -	(467)	38	26.6+* 62	68+*	71+*		THAI	83
THAIL IND	(778)	59 *	26.7+* 61	36	31	14	·	03
EUROPE-TOTAL	(2920)	68 *	25.5 74	48+#	40+	30	•	
TURKEY	(248)	76+ *	24.6 79	58+ *	33	9	TUPKISH	87
EREAT BRITAIN	(599)	62 *	25.6 72	47+¥	43+	94+	EKSLISH	92
FRANCE	(297)	68 *	24.6 82	56+#	47+	5	FRENCH	91
FED. RP. GERMA		59 *	26.3 72	50+*	45+	14	GERMAN	84
GREECE	(424)	78+#	24.3 87	39	26	6	GREEK	93
MIDEAST-TOTAL	(2316)	80+#	26.4 63	33	24	16	*	
TRALL	(2220)	77+ *	25.3 71	40	26	17	FARSI	70
IRAN	(1119)	85+ *	24.1 83	26	25	19	ARABIC	71
LEBANON Saudi Arabia	(332) (222)	96+¥	29.4+* 36	20	12	12	ARABIC	Vι
			27.8+* 59	37	37+	91+		
PACIFIC-TOTAL	(306)	63 *				•		5 .
AUSTRALIA	(210)	59 *	28.6+* 56	39	34+	95+	ENGLISH	9 5
ALL MON-U. S.	(26455)	73 *	26.4 62	44 #	33	37	#	
U. S. CITIZENS	(15638)	43	26.7 65	43	56 TITTE	98	Etist, ISH	96

NOTE: "+" INDICATES HIGHER THAN "ALL NON-U.S."; "*" INDICATES HIGHER THAN U. S. CITIZENS.

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TABLE 6. CURRENT EDUCATIONAL STATUS, DEGREE GOAL, INTENDED FIELD, U. S. RESIDENCY STATUS, AND U. S. UNDERGRADUATE ATTENDANCE, BY COUNTRY OF CITIZENSHIP AND REGION: 1981-82

	REGION AND COUNTRY	NO. OF EXAMINEES	CURRENT	r Educ	<u>ATIONA</u>	L STATUS	<u> 60AL</u>	INTERME	D FRAPL	JATE F	IE!.D	STATUS	NOERGRADUATE SCHOOL	
			EIR. U.G.	NON- ENR.	ENR. GRAD	NON- ENR. MA/MS	PH.D.	ARTS +	SCC.	BIO. SCI.	FIIYS. SCI.	RESIDENT ALIEN	Ū.S.	
:			z. '	v.6. %	×	X	×	X	×	×	X	Z	%	
	AFRICA-TOTAL	(2173)	27	22	23+#	18+*	43 *	6	36+	24+*	34 *	28+	48+	
	NIGERIA	(883)	35+	20	24+*	14 #	42 *	7	41+	24+*	28 *	34+	66+	/
	AMERICA-JOTAL	(4297)	34+	22	18 *	17+*	40 *	10+	41+	20+	29 *	27+	33+	
	MENTO	(471)	20	24+	21+*	26+*	33	5	35+	19+	41 *	20+	23	
	MEXICO	(631)	49+*	21	13	9 #	54+*	15+*	51+*	20+	15	22+ "	23	
	CANADA	(1470)		18	23+*	30+#	44 ×	9+	28+	10	52 *	17	20	
	BRAZIL	(294)	16	28+*	18	25+*	30	5	35+	19+	40 *	29+	33+	•
	COLO:1DIA VENEZUELA	(236) (3.6)	25 18	15	25+ *	34+#	18	5	31+	23+	41 *	15	34+	
	ASIA-TOTAL	(14443)	25	25+	17 *	16 *	47+*	6	20	12	62+*	13	17	
٠.			••	70.8	17 ×	12 *	44 *	6	14	11	70+*	8	8	
	HAMMAN	(3791)	22	39+*	17 *	. 4	38 *	10+	21	7	62+*	24+	60+	
	HOUS KONS	(674)	62+*	18	11	•	49+*	3	9	12	76+*	9	8	
	INDIA	(4210)	23	18	13	16 * 20+ *	24	6	29+	12	53+*	19	39+	
	INDONESIA	(275)	28	18	24+		32	20+*	39+	8	33 *	16	24	
	JAPAN	(894)	24	28+*	18 *	13 *	77+*	9+	30+	11	50 *	20+	11	
	KOREA	(1547)	16	26+	271*	21+*	* -	4	36+	18+	42 *	11	36+	
	MALAYSIA	(628)	40+	14	7	20+*	34	•	19	11	67+*	17	31+	
	PAKISTAN	(266)	28	16	15	24+#	39 *	2	30+	21+	34 *	19	17	
	PHILIPPIKES	(467)	14	40+*	21+*	17+*	36	8	40+	15+	39 *	ií	17	•
	CHAILAND	(7 78)	17	11	20+*	31+*	32	6	'#U *	134	37 ~	••		
	EUROPE-TOTAL	(2920)	34+	18	18 *	12 *	46+	13+	30+	12	45 *	24+	30+	
	W4 W4 A 2 W 1 A	(060)	46+*	12	18 *	12 *	44 *	5	16	6	74+*	14	18	
	TURKEY	(248)	36+	29+*	11	12 *	49+	17+*	37+	15+	31 *	33+	31+	•
	GREAT BRITAIN	(599)		9	21+*	17+*	24	15+#	19	10	55+¥	14	20	
	FRAUGE	(297)	19 23	13	25+*	9 #	56+*	23+*	34+	11	32 *	30+	50+	
	FED. RP. GERMAI	NY(267)	53+*	12	16 *	10 *	50+*	5	22	8	65+¥	19	31+	
	GREECE	(424)	93**	16 .	10 "	20		_						
	MIDEAST TOTAL	(2316)	41	13	26+*	12 *	39 *	5	23	13	59+*	31+	62+	
	TRAN	(1119)	50+*	11	25+*	9 *	40 #	5	19	10	65+*		+08	
	IRAN	(332)	56+*		19 *		24	3	16	7	73+ *		67+	
	LEBARON	(222)	21	14	43+*		38	6	36+	15+	43 *	33+	36+	
	SAUDI ARABIA	(306)	23	22	21+*		56+*	13+	40+	19+	28 *	24+	25	
	PACIFIC TOTAL							74.	39+	201	27 *	21+	23	
_	AUSTRALIA	(210)	21	23	21+*	15 *	<u>57+*</u>	14+	37₹	201				
	·	/0//PT3	29	23	19 *	16 *	45 *	8	27	14	52 *	19	28	
	ALL NON-U. S. U. S. CITIZENS	(26455) (15638)	45	27	15	8	37	14	49	22	15	NOT APPLICAT	3LE 96	

NOTE: "+" INDICATES HIGHER THAN "ALL NON-U. S."; "*" INDICATES HIGHER THAN U. S. CITIZENS.



TABLE 7. TEST-TAKING PATTERNS OF EXAMINEES BY COUNTRY OF CITIZENSHIP AND REGION: 1981-82

	NO. OF	TESTED IN	FIRST-	TOOK GRE	SCORE REP	PATTERN .
FRICA-TOTAL NIGERIA MERICA-TOTAL MEXICO CANADA EMAZIL COLOMDIA VENEZUELA SIA-TOTAL TAIMAN HOMS KONG INDIA	EXAMINEES	U.S.	TIME	SUBJECT	REFORTED	NO. DEPARTMENTS
NIGERIA MERICA-TOTAL MEXICO CANADA BITAZIL COLOMDIA VENEZUELA SIA-TOTAL TAIMAN HONG KONG INDIA	EXAUTHEES	CENTER	EXAMINEE	TEST##	SCORES	DESTRUATED
NIGERIA MERICA-TOTAL MEXICO CANADA BITAZIL COLOMDIA VENEZUELA SIA-TOTAL TAIMAN HONG KONG INDIA		<u> </u>	%	<u> </u>	Z	MEAN S. D.
MEXICO CANADA DHAZIL COLONDIA VENEZUELA SIA-TOTAL TAINAN HONG KONG INDIA	(2173)	66+	82	17 ,	79	2.1 * 0.9
MEXICO CANADA EMAZIL COLOMDIA VEHEZUELA SIA-TOTAL TAIMAN HONG KONG INDIA	(883)	80+	79	14	81+	2.3 * 0.9
CANADA BRAZIL COLOMDIA VENEZUELA BIA-TOTAL TAIMAN HONG KONG INDIA	(4297)	52+	87+	32	83+	2.1 * 0.9
CANADA BRAZIL COLOMDIA VENEZUELA BIA-TOTAL TAIMAN HONG KONG INDIA	(631)	57+	84	22	77+	2.1 * 0.9
EMAZIL COLOMDIA VENEZUELA BIA-TOTAL TAIMAN HONG KONG INDIA	(1470)	31	91+	44+*	. 86+	2.1 * 0.9
COLONDIA VENEZUELA IA-TOTAL TAINAN HONG KONG INDIA	(294)	36	89+*	30+*	81+	2.2 * 0.9
VEREZUELA IA-TOTAL TAIRAN HORG KONG INDIA	(236)	67+	85	40+*	85+	2.0 0.9
TAIHAN HONG KONG INDIA	(396)	80+	82	17	70	1.9 0.9
HONG KONG INDIA	(14443)	28	85	27 *	67	2.3+* 0.9
HONG KONG INDIA	(3791)	20	84	11	63 #	2.2 * 0.9
INDIA	(674)	62+	86+	36+*	67	2.4 +* 0.9
		14	89+*	51+*	78+#	2.2 * 0.9
INDUMENTA	(4210)	58+	· 80	26 *	64	2.0 0.9
4.4 00.4.1.1	(275)	37	77	38+₩	67	2.2 * 0.9
JAPAN	(894)	3 <i>7</i> 30	77 79	20	55	2.5+# 0.8
KOREA	(1547)		77 90+*	21	72	2.5+* 0.8
HALAYSIA	(628)	38		19	71	2.3+* 0.9
PAKISTAN	(266)	54+	82		81+	2.2 * 0.9
Millippines	(467)	31	92+ *	25 *	63	2.2 * 0.9
CHAILAHT	(778)	42+	77	15		
ROPE-TOTAL	(2920)	41	91+ *	41+*	80+	2.2 * 0.9
TITUEV	(248)	46+	79	42+*	69	2.5+* 0.8
TURKEY	(599)	44+	92+ *	34+#	85+	2.1 0.9
EREAT BRITAIN	(297)	26	94+*	47+*	78+	2,3 * 0.9
FRANCE		51+	94+*	39+#	78+	1.9 0.9
FED. RP. GERMAN' GREECE	Y(267) (4 2 4)	38	86+	46+*	68	2.5+* 0.8
DEAST-TOTAL	(2316)	81+	77	20	65	2.1 * 0.9
		96+	75	20	69	2.0 0.9
IRAN	(1119)		75 83	19	70	2.2 * 0.9
LEDANON		75+ 70+		17	46	2.1 * 0.9
SAUDI ARABIA	(332)	78+	69	17	U	
RCIFIC-TOTAL	(332) (22 2)	•••				
AUSTRALIA		38	93+ *	25 *	85+	2.1 * 0.9
LL NON-U. S.	(222)		93+ * 97+ *	25 *	85+ 87+	2.1 * 0.9
IL NOM-O. S. I. S. CITIZENS	(222)	38				

NOTE: "+" INDICATES HIGHER THAN "ALL NON-U. S."; "*" INDICATES HIGHER THAN "U. S. CITIZENS".

#PERCENTAGES BASED ON SUBSTANTIALLY REDUCED N. SEE NOTE FROM TABLE 4.

##PERCENTAGES BASED ON THOSE RESPONDING "YES, SOME FIELD" + "NO, SOME FIELD", INSTEAD OF "ALL TEST TAKERS" AS IN TABLE 4.



TABLE 8. GENERAL TEST SCORE DATA BY SEX, AGE, FAMILY EDUCATION AND ENGLISH BACKGROUND FOR U.S. CITIZENS AND NON-U.S. CITIZENS, 1981-82

SUBGROUPING VARIABLE U.S. CITIZENS

NON-U.S. CITIZENS

		GRE-	. v	GRE-	. Q _	GRE-	· A		GRE-	, .	GRE-G	•	GRE-A	4
	н	MEAN	5.D.	MEAN	5.D.	MEAN	<u>5.0.</u>	N	MEAN S	5.D.	MEAN S	.D.	MEAN S	<u>3.D.</u>
SEX	•													
MALE	(6619)	<u>505</u>	113	<u> 564</u>	130	<u>528</u>	125	(19020)	371	116	. <u>610</u>	131	443	116 114
FEHALE	(8850)	493	116	489	124	515	123	(7212)	<u> 387</u>	126	537	136 136	<u>446</u> 443	116
TOTAL	(15469)	498	115	521	132	520	124	(26232)	375	119	590	130	443	110
AGE													•	
BELOW 23	(5185)	499	109	555	128	<u>557</u>	122	(5449) .		130	634	121	507	. 116
23-26	(4860)	487	112	522	128	520	119	(10726)	369	113	601	126	449	109
27-30	(2245)	<u> 504</u>	117	509	129	508	118	(5677)	350	106	576	140	416	105
31+	(3191)	539	125	476	130	472	118	(4211)	361	119	524	146	386 444	102 115
TOTAL	(15481)	498	115	522	132	521	124	(26063)	376	119	590	136	444	119
FATHER'S EDUCATION									·					
4-YR. COLLEGE	(6537)	523	111	<u>553</u>	124	<u>551</u>	120	(10817)	<u>396</u>	126	604	131	462	118
OR MORE LESS THAN	(8522)	479	114	498	132	498	121	(13542)	360	111	577	139	429	111
4-YR. COLLEGE	. 4								/	110	589	136	443	115
TOTAL	(15059)	498	115	522	131	521	124	(24359)	376	119	.307	130	443	113
HOTHER'S EDUCATION														
MORE THAN .	(8457)	<u>515</u>	113	538	127	<u>540</u>	122	(8055)	411	131	<u>576</u>	133	472	120
HIGH SCHOOL	(4611)	476	113	501	134	497	122	(16187)	358	109	585	138	429	110
⊖ LESS Joha L	(15068)	498	115	, 522	131	521	124	(24242)	376	119	589	136	443	115
BEST LANGUAGE										,				
	(15010)	E00	114	<u>523</u>	131	<u>523</u>	123	(9553)	436	136	570	139	462	127
ENGLISH	(15012)	<u>500</u> 406	122	<u>363</u> 469	143	429	114	(16300)	310	92	600	133	433	107
OTI:ER	(312)	473	115	522_	132	521	124	(25053)	376_	120	ting	136	444	116
TOTAL	(15324)	47.10	7 7 7.7	71.6	<u> -1 ./1. </u>									

NOTE: UNDERSCORING INDICATES A SUBGROUP VALUE HIGHER THAN THAT FOR THE TOTAL GROUP.

TABLE 9. GRE GENERAL TEST SCORE DATA BY CURRENT EDUCATIONAL STATUS, DEGREE GOAL INTENDED GRADUATE FIELD, LOCATION OF UNDERGRADUATE SCHOOL, AND RESIDENCY STATUS, FOR U.S. CITIZENS AND NON-U.S. CITIZENS: 1981-82

SUBGROUPING U.S. CITIZENS NON-U.S. CITIZENS VARIABLE

Color Fig. Color Fig. Color Fig.	VARIABLE							•		•					
EUROLLED (6966) 497 112 543 132 542 124 (7169) 394 127 529 137 472 121 U.D.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.	•		ere.	- v	GRE-	Q	SRE-	-A	•	6RE-	v i	GRE-	3	GRE-	A
EDUCATIONAL STATUS EIRCLED (6966) 497 112 543 132 542 124 (7169) 394 127 598 137 474 121 UNDERGRAPOUATE RNN-ENCOLLED (4166) 514 113 527 124 526 117 (5600) 370 118 602 130 443 110 B.A./O.S. EIRCLED (2366) 462 115 471 130 473 119 (4593) 360 114 569 144 424 115 GRADUATE RNN-ENCOLLED (1200) 515 121 496 120 493 119 (3663) 350 105 566 141 413 106 H.A./M.S. OTHER (766) 500 120 499 133 492 120 (3537) 305 118 595 129 440 113 STATUS TOTAL (15404) 490 115 522 132 521 124 (224767) 376 119 500 137 443 116 DEGREE 60AL FILD. (5666) 530 113 549 128 543 124 (11146) 399 124 609 133 460 118 H.A./M.S. (9497) 479 111 504 131 507 121 (11200) 399 112 571 137 430 112 INTERDED GRADUATE FIELD ARIS AND (1781) 527 119 509 124 528 122 (1745) 404 137 520 135 440 116 BINIMITIES SCIAL SCIENCES (2076) 498 105 533 116 530 110 (3601) 391 124 517 142 428 117 BIOCCIENCES (2077) 498 105 533 116 530 110 552 132 521 124 (22770) 377 119 590 136 444 116 UNDERGRADUATE SCHOOL U.S. INSTITUTION (1050) 498 115 521 132 520 124 (22770) 377 119 589 137 443 116 RESIDENT STATUS RESIDENT ALLEN (15613) 498 115 521 132 520 124 (22770) 377 119 589 137 443 116 RESIDENT LILE RESIDENT LILE RESIDENT LILE RESIDENT LILE (5131) 370 117 530 142 420 115 RESIDENT LILE RESI		ñ	MEAN	s.D.	MEAN	<u>s.n.</u>	MEAN	5.D.	И.	MEAN	<u>s.n.</u>	MEAN S	5.D.	MFAN .	<u>s.D.</u>
EMOLLED (6966) 497 112 543 132 542 124 (7169) 394 127 598 137 472 121 NDLERGRADUATE NDLERGRADUATE NDLERGRADUATE NDLED (4166) 514 113 527 124 526 117 (5000) 370 118 622 130 443 110 B.A.D.S. ENDOLLED (2366) 462 115 471 130 473 119 (4593) 360 114 569 144 424 115 GRADUATE NDLED (1200) 515 121 496 128 493 119 (3663) 350 103 566 141 413 106 H.A.M.S. OTHER STATUS TOTAL (15404) 498 115 522 132 521 124 (24767) 376 119 508 137 443 116 DEGREE GOAL FILD. (5666) 530 113 549 128 543 124 (11146) 399 124 568 128 129 129 129 129 129 129 133 460 118 H.A.M.S. (9947) 479 111 504 131 507 121 (11302) 339 112 571 137 443 116 INTENDED GRADUATE FIELD ARTS AND (1781) 527 119 509 124 528 122 (1745) 404 137 580 137 444 116 INTENDED GRADUATE FIELD ARTS AND (1781) 527 119 509 124 528 122 (1745) 404 137 520 135 440 116 HUMINITIES SCICAL SCIENCES (6077) 405 117 485 124 496 120 (6061) 391 124 517 142 426 117 BIOCCIENCES (2077) 478 105 533 116 533 116 (3322) 124 (12770) 377 119 590 136 444 116 UNDERGRADUATE SCHOOL U.S. INSTITUTION (14951) 500 114 523 131 523 123 (7271) 363 110 532 140 423 114 RESIDENT STATUS RESIDENT STATUS RESIDENT ALIEN (0) NOT APPLICABLE (7169) 376 110 530 142 420 115 115 131 420 115 115 131 420 115 115 131 420 115 115 131 420 115 RESIDENT STATUS RESIDENT ALIEN (0) NOT APPLICABLE	EDUCATIONAL STATUS												,	•	
B.A./D.S. EMOLLED GOV/DUATE MCM-ENTOLLED (1200) 515 121 496 128 493 119 (3663) 350 108 566 141 413 106 M.A./A.S. OTHER GOV/DUATE GOV/DUATE GOV/DUATE GOV/DUATE GOV/DUATE GOV/DUATE GOV/DUATE MCM-ENTOLLED (766) 500 120 499 133 492 120 (3537) 305 118 505 129 440 113 TOTAL (15404) 490 115 522 132 521 124 (24767) 376 119 508 137 443 116 DEGREE GOAL FH.D. G 5666) 520 113 549 128 543 124 (11146) 399 124 669 133 460 118 M.A./M.S. (9947) 479 111 504 131 507 121 (12002) 359 112 577 137 430 112 TOTAL (15113) 493 114 521 132 520 123 (24943) 377 119 508 137 444 116 INTERNED GRADUATE FIELD ARTS AND G 1781) 527 119 509 124 528 122 (1745) 404 137 520 135 440 116 MINIMITIES SOCIAL SCIENCES (6497) 405 117 405 124 405 120 (6061) 391 124 5517 142 428 117 DIOSCIENCES (2076) 498 105 533 116 550 120 (6061) 391 124 557 131 428 117 MINIMITIES SOCIAL SCIENCES (2076) 498 105 533 116 550 116 500 118 6 522 120 (11742) 364 113 652 102 459 112 FIVS. SCIENCES FOR COMPANY (13161) 490 115 522 132 521 124 (22770) 377 119 590 136 444 116 UNDERGRADUATE SCHOOL U.S. INSTITUTION (14951) 500 114 521 132 520 124 (22770) 377 119 590 136 444 116 UNDERGRADUATE SCHOOL U.S. INSTITUTION (14951) 500 114 521 132 520 124 (22770) 377 119 590 136 444 116 UNDERGRADUATE SCHOOL RESIDENT ALIEN (0) NOT APPLICABLE RESIDENT ALIEN (0) OTHER ROM-U.S. (0) NOT APPLICABLE NOT APPLICABLE NOT APPLICABLE NOT APPLICABLE NOT APPLICABLE H. A. 459 117 450 117 550 142 620 113 11 640 115 TOTAL (21324) 376 120 603 131 460 115 TOTAL (21324) 376 120 603 131 460 115	EIMOLLED	(6966)	497	112	<u>543</u>	132	<u>542</u>	124	(7169)	<u> 394</u>	127	<u>598</u>	.137	474	121
ENDLLED (2366) 462 115 471 130 473 119 (4593) 360 114 569 144 424 115 NCH-EITOLLED (1200) 515 121 496 128 493 119 (3663) 350 108 566 141 413 106 H.A./H.S. OTHER (766) 508 120 499 133 492 120 (3537) 305 118 505 129 440 113 STATUS TOTAL (15404) 498 115 522 132 521 124 (24767) 376 119 508 137 443 116 PH.D. (5666) 520 113 549 128 521 124 (24767) 376 119 508 137 443 116 PH.D. (5666) 520 113 549 128 521 124 (11146) 399 124 609 133 460 118 H.A./H.S. (9497) 479 111 504 131 507 121 (12002) 399 112 571 137 430 112 TOTAL (15113) 493 114 521 132 520 123 (24943) 377 119 588 137 444 116 PH.D. (1781) 527 119 509 124 528 122 (1745) 404 137 588 137 440 116 PH.D. (1781) 527 119 509 124 528 122 (1745) 404 137 520 135 440 116 PH.D. (1781) 527 119 509 124 528 122 (1745) 404 137 520 135 440 116 PH.D. (1781) 527 119 509 124 528 122 (1745) 404 137 520 135 440 116 PH.D. (1781) 520 135 117 483 124 496 120 (6061) 391 124 517 142 428 117 PH.S. SCIENCES (2076) 498 105 533 116 530 118 (3222) 302 116 543 131 428 118 PH.S. SCIENCES (2076) 498 105 533 116 550 118 (3222) 302 116 543 131 428 118 PH.S. SCIENCES (2076) 498 105 533 116 550 118 (3222) 302 116 543 131 428 118 PH.S. SCIENCES (2076) 498 105 533 116 550 118 (3222) 302 116 543 131 428 118 PH.S. SCIENCES (2076) 498 105 533 116 550 118 (3222) 302 116 543 131 428 118 PH.S. SCIENCES (2076) 498 105 533 116 550 118 (3222) 302 116 543 131 428 118 PH.S. SCIENCES (2076) 498 105 533 116 550 118 (3222) 302 110 540 115 540 118 PH.S. SCIENCES (2076) 498 105 533 116 550 118 (3222) 302 110 540 115 540 118 115 540 118 118 118 118 118 118 118 118 118 11		(4166)	<u>514</u>	113	<u>527</u>	124	<u>526</u>	117	(5600)	370	118	602	130	443	119
NOTIFICIALED (1200) 515 121 496 128 493 119 (3663) 350 108 566 141 413 106 H.A./M.S. (766) 500 120 499 133 492 120 (3537) 305 118 505 129 440 113 STATUS TOTAL (15404) 498 115 522 132 521 124 (24767) 376 119 508 137 443 116 DEGREE GOAL PH.D. (5666) 510 113 549 128 543 124 (11146) 399 124 609 133 460 118 H.A./M.S. (9447) 479 111 504 131 507 121 (12302) 359 112 571 137 430 112 TOTAL (15113) 493 114 521 132 520 123 (24943) 377 119 588 137 444 116 INTENDED GRADUATE FIELD ARTS AND (1781) 527 119 509 124 528 122 (1745) 404 137 520 135 440 116 HUMANITIES SCIAL SCIENCES (6497) 405 117 483 124 496 120 (6661) 391 124 517 142 428 117 DIOSCIENCES (2076) 498 105 533 116 530 118 (3222) 372 116 543 131 428 118 FIRST SCIENCES (2076) 498 105 533 116 530 118 (3222) 372 116 543 131 428 118 FIRST SCIENCES (2076) 498 105 533 116 530 118 (3222) 372 116 543 131 428 118 FIRST SCIENCES (2076) 498 105 533 116 520 120 (11742) 364 113 652 102 453 112 LARL HUMANITION (1361) 478 115 522 132 521 124 (22770) 377 119 590 136 444 116 LARL HUMANITION (1361) 478 115 522 132 521 124 (22770) 377 119 590 136 444 116 LARL HUMANITION (14951) 498 105 523 131 523 120 (11742) 364 113 652 102 653 112 653 114 654 118 118 118 118 118 118 118 118 118 11	EIMOLLED	(2366)	462	115	471	130	473	119	(4593)	360	114	569	144	424	115
OTHER STATUS STATUS TOTAL (15404) 498 115 522 132 521 124 (24767) 376 119 508 137 440 113 TOTAL (15404) 498 115 522 132 521 124 (24767) 376 119 508 137 443 116 DEGREE GOAL FH.D. (5666) 530 113 549 128 543 124 (11146) 399 112 571 137 430 112 TOTAL (15113) 493 114 521 132 520 123 (24943) 377 119 588 137 444 116 INTENDED FRADUATE FIELD ARTS AND (1781) 527 119 509 124 528 122 (1745) 404 137 520 135 440 116 HUMANITIES SOCIAL SCIENCES (6497) 405 117 483 124 496 120 (6061) 391 124 517 142 428 117 BIOSCIENCES (2076) 498 105 533 116 530 118 (3222) 362 116 543 131 428 110 HUMANITIES TOTAL (13161) 498 115 522 132 521 124 (22770) 377 119 590 136 444 116 UNDERGRADUATE SCHOOL U.S. INSTITUTION (14951) 500 114 523 131 523 124 (22770) 377 119 590 136 444 116 UNDERGRADUATE SCHOOL U.S. INSTITUTION (14951) 500 114 523 131 523 124 (22770) 377 119 590 136 444 116 UNDERGRADUATE SCHOOL U.S. INSTITUTION (14951) 500 114 523 131 523 123 (7271) 363 110 532 140 425 117 NOTHER ONLY SCHOOLS RESIDENCY STATUS	NOW-ELCOLLED	(1200)	515	121	496	128	493	119	(3863)	358	103	566	141	413	106
TOTAL (15404) 490 115 522 132 521 124 (24767) 376 119 508 137 443 116 DEGREE GOAL FH.D. (5666) 520 113 549 128 543 124 (11146) 399 124 609 133 460 118 H.A./M.S. (9447) 479 111 504 131 507 121 (12002) 359 112 571 137 430 112 TOTAL (15113) 493 114 521 132 520 123 (24943) 377 119 588 137 444 116 INTENDED FRADUATE FIELD ARTS AND (1781) 527 119 509 124 528 122 (1745) 404 137 520 135 440 116 HUMINITIES SOLIAL SCIENCES (6497) 405 117 483 124 494 120 (6061) 391 124 517 142 428 117 BIOSCIENCES (2076) 498 105 533 116 530 118 (3222) 362 116 543 131 428 117 BINTENDED FRADUATE SCHOOL U.S. INSTITUTION (14951) 500 114 523 131 523 124 (22770) 377 119 590 136 444 116 UNDERGRADUATE SCHOOL U.S. INSTITUTION (14951) 500 114 523 131 523 123 (7271) 363 110 532 140 423 114 NON-U.S. (667) 462 121 474 136 470 121 (19134) 390 122 611 129 451 115 INSTITUTION (15638) 498 115 521 132 520 124 (226405) 375 119 589 137 443 116 RESIDENCY STATUS RESIDENT ALIEN (0) NOT APPLICABLE (5131) 370 117 530 142 420 115 OTHER NON-U.S. (0) NOT APPLICABLE	OTHER	(786)	508	120	499	133	492	120	('3537)	<u> 305</u>	118	<u>595</u>	129	440	113
FH.D. (5666) 530 113 549 128 543 124 (11146) 399 124 560 133 460 118 H.A./M.S. (9447) 479 111 504 131 507 121 (12002) 359 112 571 137 430 112 107AL (15113) 493 114 521 132 520 123 (24943) 377 119 588 137 444 116 INTENDED GRADUATE FIELD ARIS AND (1781) 527 119 509 124 528 122 (1745) 404 137 520 135 440 116 HUTANITYTES SOCIAL SCIENCES (6497) 485 117 483 124 496 120 (6061) 391 124 517 142 428 117 BIOSCIENCES (2076) 498 105 533 116 530 118 (3222) 322 116 543 131 428 110 HATHERATICS/ (2007) 520 109 645 104 502 120 (11742) 364 113 652 102 459 112 FIFYS SCIENCES TOTAL (13161) 498 115 522 132 521 124 (22770) 377 119 590 136 444 116 UNDERGRADUATE SCHOOL U.S. INSTITUTION (14951) 500 114 523 131 523 123 (7271) 363 110 532 140 423 114 NON-U.S. (687) 462 121 474 136 470 121 (19134) 370 122 611 129 651 115 INSTITUTION (15630) 498 115 521 132 520 124 (26405) 375 119 589 137 443 116 RESIDENCY STATUS RESIDENT ALIEN (0) NOT APPLICABLE (21324) 376 120 603 131 449 115		(15484)	498	115	522	132	521	124	(24767)	376	119	588	137	443	116
H.A.M.S. (9447) 479 111 504 131 507 121 (12002) 359 112 571 137 430 112 TOTAL (15113) 493 114 521 132 520 123 (24945) 377 119 588 137 444 116 INTERDED FRADUATE FIELD ARIS AND (1781) 527 119 509 124 528 122 (1745) 404 137 520 135 440 116 HUHANITIES SOCIAL SCIENCES (6497) 485 117 483 124 496 120 (6061) 391 124 517 142 428 117 BIOSCIENCES (2076) 498 105 533 116 530 118 (3222) 372 116 543 131 428 118 HIMTHERIATICS/ (2007) 520 109 645 104 502 120 (11742) 364 113 652 102 458 112 FINS. SCIENCES (13161) 498 115 522 132 521 124 (22770) 377 119 590 136 444 116 U.S. INSTITUTION (14951) 500 114 523 131 523 123 (7271) 363 110 532 140 423 114 NCH-U.S. (687) 462 121 474 136 470 121 (19134) 370 122 611 129 451 115 INSTITUTION (15638) 498 115 521 132 520 124 (26405) 375 119 589 137 443 116 RESIDENCY STATUS RESIDENCY STATUS RESIDENT ALIEN (0) NOT APPLICABLE (21324) 376 120 603 131 449 115	DEGREE GOAL														
TOTAL (15113) 493 114 521 132 520 123 (24943) 377 119 588 137 444 116 INTENDED FRADUATE FIELD ARTS AND (1781) 527 119 509 124 528 122 (1745) 404 137 520 135 440 116 HUMANITIES SOCIAL SCIENCES (6497) 405 117 483 124 496 120 (6061) 391 124 517 142 428 117 BIOSCIENCES (2076) 498 105 533 116 530 118 (3222) 372 116 543 131 428 118 HATHCHAITICS/ (2007) 520 109 645 104 502 120 (11742) 364 113 652 102 453 112 FHYS. SCIENCES TOTAL (13161) 498 115 522 132 521 124 (22770) 377 119 590 136 444 116 UNDERGRADUATE SCHOOL U.S. INSTITUTION (14951) 500 114 523 131 523 123 (7271) 363 110 532 140 423 114 NON-U.S. (687) 462 121 474 136 470 121 (19134) 370 122 611 129 451 115 INSTITUTION TOTAL (15630) 498 115 521 132 520 124 (26405) 375 119 589 137 443 116 RESIDENCY STATUS RESIDENT ALIEN (0) NOT APPLICABLE (5131) 370 117 530 142 420 115 OTHER NON-U.S. (0)															
ARTS AND (1781) 527 119 509 124 528 122 (1745) 404 137 520 135 440 116 HUMANITIES SOCIAL SCIENCES (6497) 485 117 483 124 496 120 (6061) 391 124 517 142 428 117 BIOSCIENCES (2076) 498 105 533 116 530 118 (3222) 322 116 543 131 428 118 MATHEMATICS/ (2007) 520 109 645 104 502 120 (11742) 364 113 652 102 459 112 FINYS. SCIENCES (13161) 498 115 522 132 521 124 (22770) 377 119 590 136 444 116 UNDERGRADUATE SCHOOL U.S. INSTITUTION (14951) 500 114 523 131 523 123 (7271) 363 110 532 140 423 114 NON-U.S. (687) 462 121 474 136 470 121 (19134) 370 122 611 129 451 115 INSTITUTION (15638) 498 115 521 132 520 124 (26405) 375 119 589 137 443 116 RESIDENCY STATUS RESIDENCY STATUS RESIDENT ALIEN (0) NOT APPLICABLE (5131) 370 117 530 142 420 115 OTHER NON-U.S. (0) NOT APPLICABLE (21324) 376 120 603 131 449 115	*******														
RUTANITIES SOCIAL SCIENCES (6497)	INTENDED GRADUATE	FIELD								•					
SOCIAL SCIENCES (6497) 485 117 483 124 496 120 (6061) 391 124 517 142 428 117 BIOSCIENCES (2076) 498 105 533 116 530 118 (3222) 3C2 116 543 131 428 118 HATHERIATICS/ (2007) 520 109 645 104 502 120 (11742) 364 113 652 102 458 112 FHYS. SCIENCES TOTAL (13161) 498 115 522 132 521 124 (22770) 377 119 590 136 444 116 UNDERGRADUATE SCHOOL U.S. INSTITUTION (14951) 500 114 523 131 523 123 (7271) 363 110 532 140 423 114 NON-U.S. (687) 462 121 474 136 470 121 (19134) 3F0 122 611 129 451 115 INSTITUTION (15638) 498 115 521 132 520 124 (26405) 375 119 589 137 443 116 RESIDENCY STATUS RESIDENCY STATUS RESIDENT ALIEN (0) NOT APPLICABLE (5131) 370 117 530 142 420 115 OTHER NON-U.S. (0) NOT APPLICABLE (21324) 376 120 603 131 449 115		(1781)	<u>527</u>	119	509	124	528	122	(1745)	404	137	520	135	440	116
BIOSCIENCES (2076) 498 105 533 116 530 118 (3022) 302 116 543 131 428 118 HATHERATICS/ (2007) 520 109 645 104 502 120 (11742) 364 113 652 102 459 112 FHYS. SCIENCES TOTAL (13161) 498 115 522 132 521 124 (22770) 377 119 590 136 444 116 UNDERGRADUATE SCHOOL U.S. INSTITUTION (14951) 500 114 523 131 523 123 (7271) 363 110 532 140 423 114 NON-U.S. (687) 462 121 474 136 470 121 (19134) 370 122 611 129 451 115 INSTITUTION (15638) 498 115 521 132 520 124 (26405) 375 119 589 137 443 116 RESIDENCY STATUS RESIDENCY STATUS RESIDENT ALIEN (0) NOT APPLICABLE (5131) 370 117 530 142 420 115 OTHER NON-U.S. (0) NOT APPLICABLE (21324) 376 120 603 131 449 115		(6497)	485	117	483	124	496	120	(6061)		124	517	142	428	117
HATHEMATICS/ (2007) - 520 109 645 104 502 120 (11742) 364 113 652 102 459 112 FHYS. SCIENCES TOTAL (13161) 498 115 522 132 521 124 (22770) 377 119 590 136 444 116 UNDERGRADUATE SCHOOL U.S. INSTITUTION (14951) 500 114 523 131 523 123 (7271) 363 110 532 140 423 114 NCN-U.S. (687) 462 121 474 136 470 121 (19134) 370 122 611 129 451 115 INSTITUTION (15638) 498 115 521 132 520 124 (26405) 375 119 589 137 443 116 RESIDENCY STATUS RESIDENT ALIEN (0) NOT APPLICABLE (5131) 370 117 530 142 420 115 OTHER NON-U.S. (0) NOT APPLICABLE (21324) 376 120 603 131 449 115	BIOSCIENCES	(2876)	498	105	<u>533</u>	116	<u>530</u>	118	(3222)	<u> 372</u>	116	543	131	428	118
UNDERGRADUATE SCHOOL U.S. INSTITUTION (14951) 500 114 523 131 523 123 (7271) 363 110 532 140 423 114 NON-U.S. (687) 462 121 474 136 470 121 (19134) 3F0 122 611 129 451 115 INSTITUTION (15630) 498 115 521 132 520 124 (26405) 375 119 589 137 443 116 RESIDENCY STATUS RESIDENT ALIEN (0) NOT APPLICABLE (5131) 370 117 530 142 420 115 OTHER NON-U.S. (0) NOT APPLICABLE (21324) 376 120 603 131 449 115			~ <u>520</u>	109		104	502	120	(11742)	364	113	<u>652</u>	.102	478	112
U.S. INSTITUTION (14951) 500 114 523 131 523 123 (7271) 363 110 532 140 423 114 NON-U.S. (687) 462 121 474 136 470 121 (19134) 370 122 611 129 451 115 INSTITUTION (15638) 498 115 521 132 520 124 (26405) 375 119 589 137 443 116 RESIDENCY STATUS RESIDENCY STATUS RESIDENT ALIEN (0) NOT APPLICABLE (5131) 370 117 530 142 420 115 0THER NON-U.S. (0) NOT APPLICABLE (21324) 376 120 603 131 449 115	TOTAL	(13161)	498	115	522	132	521	124	(22770)	377	119	590	136	444	116
NON-U.S. (687) 462 121 474 136 470 121 (19134) <u>370</u> 122 <u>611</u> 129 <u>451</u> 115 INSTITUTION TOTAL (15638) 498 115 521 132 520 124 (26405) 375 119 589 137 443 116 RESIDENCY STATUS RESIDENT ALIEN (0) NOT APPLICABLE (21324) 376 120 603 131 449 115	UNDERGRADUATE SCHOOL	DL													
NON-U.S. (687) 462 121 474 136 470 121 (19134) <u>370</u> 122 <u>611</u> 129 <u>451</u> 115 INSTITUTION TOTAL (15638) 498 115 521 132 520 124 (26405) 375 119 589 137 443 116 RESIDENCY STATUS RESIDENT ALIEN (0) NOT APPLICABLE (21324) 376 120 603 131 449 115	U.S. INSTITUTION	(14951)	500	114	523	131	523	123	(7271)	363	110	532	140	423	114
TOTAL (15638) 498 115 521 132 520 124 (26405) 375 119 589 137 443 116 RESIDENCY STATUS RESIDENT ALIEN (0) (5131) 370 117 530 142 420 115 OTHER NON-U.S. (0) NOT APPLICABLE (21324) 376 120 603 131 449 115	NOH-U.S.		462	121		136		121	(19134)	320	122	<u>611</u>	129	<u>451</u>	115
RESIDENT ALIEN (0) (5131) 370 117 530 142 420 115 OTHER NON-U.S. (0) NOT APPLICABLE (21324) 376 120 603 131 449 115		(15638)	498	115	521	132	520	124	(26405)	375	119	589	137	443	116
OTHER NON-U.S. (0) NOT APPLICABLE (21324) 376 120 603 131 449 115	RESIDENCY STATUS														
OTHER NON-U.S. (0) NOT APPLICABLE (21324) 376 120 603 131 449 115	RESIDENT ALIEN	(0)							(5131)	370	117	530	142	420	115
		- T - T - T - T - T - T - T - T - T - T			NOT APPL	ICABLE									
1D18t t U) (CU17D) 217 447 247 130 470 140	TOTAL	(0)			*****				_(26455)_	375 _	119	<u> </u>	136	443	116

NOTE: UNDERSCORING INDICATES A SUBGROUP VALUE HIGHER THAN THAT FOR THE TOTAL GROUP.



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TABLE 10. GRE, GENERAL TEST SCORE DATA BY SELECTED TEST TAKING PATTERNS FOR U.S. CITIZENS AND NON-U.S. CITIZENS: 1981-82

SUBGROUPING VARIABLE U.S. CITIZENS

NON-U.S. CITIZENS

AUNTURE .	• •					•			·					
. :	. - ,	GRE-	· v ·	GRE	-Q	GRE-	·A		GRE-	r , '	GRE-0	7	GRE-A	١
		MEAN	<u>s.D.</u>	MEAN	S.D.	MEAN	S.D.	. И .	MEAN S	5.D.	MEAN S	3.D.	MEAN S	3.D.
	•	٠.			مغد			•	• .		•			.
TEST CENTER					•								÷	
IN U.S.	(15489)	498	115	521	132	520	124	(10899)	355	109	<u>5</u> 36.	141	415	112
NOT IN U.S.	(149)	547	115	<u>.39</u>	116	<u>527</u>	116	.(15449)	<u>390</u>	124	626	120	463	114
TOTAL	(15638)	498	115	521	132	520	124	(26348)	375	119	539	137	443	116
EXPERIENCE WITH GR	E ·	· .					•	Q		•				
FIRST TIME	(13650)	496	114	<u>523</u>	133	<u>523</u>	124	(22379)	<u>379</u>	121	590	137	447	116
EXAMINEE TREPEATER	(1967)	514	119	512	126	504	118	· (3937)	3 56	104	587	135	423	110
TOTAL	(15617)	458	115	521	132	520	124	(26316)	375	119	539	136	443	116
	,													
SENT SCORE REPORT	S) ·					•• •								
TO DEPARTMENT(S)											-		•	
•	(77/07)	497	115	[,] 519	132	518	124	(14621)	386	121	563	139	442	120
YES	(13603)	<u>506</u>	115	53 <u>5</u>	130	<u>534</u>	1221	(5174)	344	102	571	137	<u>442</u> 421	111
NO	(2034) (15637)	498	115	521	132	520	124	(19795)#	375	118	565	138	436	118
TOTAL	(1903//	470	113	34.					•					
TOOK GRE-SUBJECT T	ESTS' (BY						•							
INTENDED GRADUATE					•	:				1	•			
•				-04		rr4	124	(317)	462	147	502	138	966	123
YES, ARTS AND	(386)	<u>562</u>	124	<u>524</u>	117	<u>556</u>	124	(31//	705		\ 502	-30		
HUMANITIES YES, SOCIAL	(1225)	501	116	502	126	514	121	(1346)	435	125	550	134	469	121
SCIENCES	(12231	301	110	300	100	7-					}			
YES, BIOSCIENCE	S (553)	524	107	583	110	<u>563</u>	125	(691)	416	121	552	121	462	128
,		<u> </u>						4 07475				100	<u>482</u>	121
YES, MATHEMATIC		<u>535</u>	109	664	98	600	. 117	(2763)	374	116	661	100	402	464
				500	120	E11	121	(14130)	365	114	550	138	422	113
HO (ALL FIELDS)	[11999]	491	114	509	129	511	161	(14130)	303				· _ 4	
YES (ALL FIELDS	33071	522	115	563	133	<u>551</u>	126	(5586)	407	124	6116	130	474	123
152 (VEF LIEFOS	,, (, 33074.	ئارا ئىد		22.22		-								
TOTAL SAMPLE	<u>/ (15638) </u>	498	115	521	132	520	124	(26455)	<u>375</u>	119	<u> </u>	136	443	116

NOTE: UNMERSCORING INDICATES A SUBGROUP VALUE HIGHER THAN THAT FOR THE TOTAL GROUP.
#REDUCED N DUE TO SUBSTANTIAL HISSING DATA ON SCORE-REPORTING FOR EXAMINEES FROM INDIA AND TAXWAY. SEE NOTE TO TABLE 4.
##EXCEPT FOR THE "NO (ALL FIELDS)" AND "YES (ALL FIELDS)" CATEGORIES THESE ARE BASED ON THE GRADUATE FIELDS OF THESE
SUBJECT TEST TAKERS.

TABLE 11. GRE GENERAL TEST SCORE DATA BY COUNTRY OF CITIZENSHIP AND REGION: 1981-82

REGION AND	NUMBER OF	VERBAL :	SECTION	QUANTITAT	IVE SECTION	ANALYTIC	SECTION
CCUNTRY	Examinees N	MEAN	s. D.	MEAN	s. D.	HEAN	s. D.
AFRICA-TOTAL	(2173)	343	92	460	134	364	96
NIGERIA	(883)	336	76	419	124	342	77
MERICA-TOTAL	(4297)	433+	123	527 *	138	459+	126
HEXICO	(631)	363	86	503	129	407	103
CANADA	(1470)	531+*	109	577 ^	120	546 + *	116
DEAZIL	(294)	385+	94	551 *	139	439	106
COLOMBIA	(236)	372	91	514	136	413	101
VEI:EZUELA	(396)	350	83	474	140	386	102
NSIA-TOTAL	(14443)	358	110	633+*	117	444+	107
TAIRAN	(3791)	302	62	686+ *	81	454+	95
HOL'S KONS	(674)	362+	79	666+*	94	502+	102
INDIA	(4210)	431+	127	625+*	118	461+	115
INDONESIA	(275)	297	62	572 ¥	114	391	95
JAPAN	(894)	312	78	641+*	102	432	105
		347	78	669+*	91	429	99
KOMEA	(1547)	36 9	97	556 *	123	418	101
MALAYSIA	(628)		96	537 *	122	394	101
PAKISTAN	(266)	341			135	439	113
FHILIPPINES	(467)	431+	101	498		379	91
CHAILAHT	(778)	282	64	551 *	118	2/7	71
UROPE-TOTAL	(2920)	437+	126	598+*	124	498+	116
TURKEY	(248)	332	84	618+*	106	453+	106
GREAT BRITAIN		550+ *	123	594+*	112	553+*	117
FRANCE	(297)	423+	93	619+*	137	491+	113
FED. RP. GERM		439+	107	592+*	118	515+	113
GREECE	(424)	348	85	608+*	120	451+	100
IDEAST-TOTAL	(2316)	304	79	537 *	128	399	103
ITREVOL-101WF	(5310)	374	• •				
IRAN	(1119)	302	74	547 *	122	400	100
LEBARON	(332)	323	72	570 ¥	112	432	102
SAUDI ARABIA	(222)	261	52	457	134	344	73
PACIFIC-TOTAL	(306)	544+ *	143	594+#	131	532+*	132
AUSTRALTA	(210)	567+*	124	612+*	122	549+*	122
ALL NCH-U. 5.	(26455)	375	119	589 *	136	443	116
U. S. CITIZENS	(15638)	498	115	521	132	520	124

NOTE: "+" INDICATES HIGHER THAN "ALL NON-U. S."; "*" INDICATES HIGHER THAN "U. S. CITIZENS".



TABLE 12. GRE GENERAL TEST SCORE MEANS BY RESIDENCY STATUS, SEX,
DEGREE GOAL, AND ATTENDANCE AT A U. S. UNDERGRADUATE SCHOOL
BY COUNTRY OF CITIZENSHIP .: > REGION: 1981-82

				ο.	COUNTY												
REGION AND		A	L EX	AMIKE	ES .		MALES		<u>PH</u>	I. D. 6	OAL	<u>U. S.</u>	DERG	RADUATE	RESID	ENT AL	IEN \
COUNTRY	н		,	Q	A	v_	Q		<u>_v</u> _	Q	A	<u>_v_</u>	Q	_A	<u>v</u>	Q	Α
RFRICA-TOTAL	(2173) 34	43	460	364	341	<u>471</u>	361	364	479	<u>376</u>	333	424	348	3 30	422	344
NIGERIA	(883		36	419	342	336	429	339	354	441	349	327	404	336	324	399	331
AMERICA-TOTAL	(4297		33	527	459	427	<u>560</u>	458	474	<u>556</u>	492	420	480	437	422	475	431
		_		503	407	<u>366</u>	<u> 524</u>	411	<u> 391</u>	<u>516</u>	422	360	443	388	357	451	380
MEXICO	(631	•	63			534	618	552	553	601	565	507	538	519	512	541	513
CARADA	(1470	-	31	577	546	22.7	<u>589</u>	448	403	503	450	412	500	447	<u> 398</u>	497	421
BRAZIL	(294	• =	85	551	439	389	<u> 507</u>	415	399	503 520	420	401	484	416	384	469	393
COLOMBIA	(236	-	72	514	413	<u>373</u>	552		398	534	436	359	451	<u> 389</u>	346	430	352
VEREZUELA	(396	3.	50	474	386	354	510	392	370	224		<u>547</u>					400
SIA-TOTAL	(14443	3) 3	58	633	444	<u>360</u>	<u>651</u>	<u>448</u>	<u>378</u>	<u>648</u>	<u>455</u>	346	595	437	340	593	422
	(379)	, ,	02	686	454	305	700	459	314	<u>703</u>	<u>468</u>	320	651	444	313	668	440 495
TAIWAN		-	62	666	502	359	684	508	381	<u>683</u>	514	36 <i>2</i>	666	502	372	654	
HOUS KONG	(674			625	461	427	640	463	449	623	466	374	547	413	370	54:	405
INDIA	(4210		31		391	296	579	392	323	594	405	302	571	402	293	533	359
INDONESIA	(27!		97	572		308	663	430	323 334	657	446	332	605	435	337	603	429
JAPAN	(894		12	641	432			431	<u>353</u>	657 679	434	340	630	427	332	639	417
KOREA	(154		47 _	669	429	346	680	416	394	E03	442	366	<u>560</u>	432	348	531	420
MALAYSIA	(62		69	556	418	365	571		356	<u>593</u> 547	410	<u>351</u>	526	413	350	481	379
PAKISTAN	(26 (41	537	394	343	548	398	<u>390</u>	577 525	457	399	465	426	386	442	404
FILLIPPINES	(46	7) 4	31	498	439	436	549	454	464	525		287	533	<u>337</u>	279	539	<u> 383</u>
THAILAND	(7 7	3) 2	283	551	379	284	<u>575</u>	302	305	556	394	507	333	225			
EUROPE-TOTAL	(292)) 4	37	598	498	430	<u>630</u>	501	<u>46.1</u>	615	<u>518</u>	438	552	481	<u>455</u>	542	481
				/10	453	326	630	449	362	640	481	<u> 361</u>	617	477	325	574	437
TURKEY	(24	•	32	618			623	<u>555</u>	567	616	<u>566</u>	510	565	526	527	567	529
GREAT BRITAIN	(59	• -	50	594	553	548	063	497	455	591	484	445	534	463	474	521	469
FRANCE	(29	• •	834	619	491	426	661			606	528	457	569	511	473	543	512
FED. RP. GERMA	171 26	7) 4	139	592	515	425	642	<u>534</u>	459	634	<u>479</u>	359	554	428	357	536	419
GREECE	(42	4) 3	548	608	451	347	628	451	<u>370</u>	037	3/7						700
HIDEAST-TOTAL	(231	6) 3	304	537	399	300	<u>549</u>	398	<u>323</u>	<u>552</u>	413	<u>305</u>	543	402	304	527	390
					4.5.5		E/ A	400	321	564	416	305	550	404	302	540	393
IRAN	(111	• •	302	547	400	299	<u>564</u>	400	<u>353</u>	569	448	317	<u>550</u> 562	422	<u> 328</u>	568	421
LEBANON	(33		323	570	432	317	584	434	223		353	264	460	342	253	412	324
SAUDI ARABIA	(22	2)	261	457	344	260	460	343	<u>266</u>	483	<u> </u>	<u> </u>					4.50
PACIFIC-TOTAL	(30	6)	544	594	532	536	<u>622</u>	<u>534</u>	<u>587</u>	<u>632</u>	<u>574</u>	485	532	477	513	539	492
AUSTRALIA	(21		567	612	549	566	<u>654</u>	<u>563</u>	<u>606</u>	<u>647</u>	<u>592</u>	494	545	492	542	551	517
					•							747	532	423	370	530	420
ALL NON-U. S.	(2645	5)	375	589	443	371	<u>670</u>	443	<u>399</u> 530	<u>609</u> 549	<u>460</u> 543	363				APPLIC	
U. S. CITIZENS	(1563		498	521	520	<u>505</u>	564	528	<u>530</u>	<u>549</u>	<u>543</u>	<u>500</u>	<u>523</u>	<u>523</u>	1101		

NOTE: UNDERSCORING INDICATES A SUBGROUP VALUE HIGHER THAN THAT FOR "ALL EXAMINEES" FOR THE GIVEN REGION/COUNTRY.

TABLE 13. GRE GENERAL TEST SCORE HEARS BY FAMILY EDUCATION, AGE AND ENGLISH AS PRIHARY LANGUAGE BY COUNTRY OF CITIZENSHIP AND REGION: 1981-82

REGION AND COUNTRY	·	ALL EXAMINEES				r Grai	DUATED LLEGE	HOTHER BEYOND	HIGH	CATED SCHOOL		SY NI MAHT			ENGLISH PRI- MARY LANGUAGE				
	N	<u>v</u>	Q_	\	\ <u>\</u>	9	<u> </u>	<u>Y</u>	Q		<u>Y</u>	Q		<u>v</u>	<u> </u>				
AFRICA-TOTAL	(2173)	343	460	364	358	475	<u>389</u>	372	456	391	<u> 367</u>	<u>498</u>	402	358	447	<u>366</u>			
NIGERIA	(883)	336	419	342	345	409	<u>351</u>	343	403	347	348	<u>435</u>	<u>366</u>	<u>336</u>	417	341			
AMERICA-TOTAL	(4297)	433	527	459	442	<u>546</u>	<u>479</u>	<u>457</u>	<u>547</u>	489	446	554	491	<u>500</u>	542	<u>509</u>			
HEXICO	(631)	363	503	407	375 547 389 302 358	519	<u>433</u> 564	<u>389</u>	<u>523</u>	436	<u> 369</u>	<u>531</u> 592	<u>430</u> 568	<u>371</u> 536	435 576	383 <u>550</u>			
CANADA	(1470)	531	577	546	<u>547</u> .	<u>594</u>	<u> 564</u>	544	589	<u>564</u> 463	528	275	200	486	541	498			
BRAZIL	(294)	385	551	439	<u> 389</u>	<u> 569</u>	457	387	563	963	395 381 371	587 537 524	466	<u> </u>		439			
COLOMBIA	(236)	372	514	413	382	516	432	306	<u>528</u>	431	381	537	433	442	468	437			
VENEZUELA	(396)	350	474	386	358	594 569 516 476	393	360	589 563 588 488	407	371	529	431	<u>426</u>	450	428			
ASIA-TOTAL	(14443)	358	633	444	<u> 384</u>	<u>635</u>	458	<u>393</u>	633	467	373	646	465	413	609	451			
TAIWAN	(3791)	302	686	454	304	680	457	<u>307</u>	680	464	301	<u>691</u>	<u>468</u>	299	668	436			
HONG KONG	(674)	362	666	502	375	663	501	368	659	496	<u> 363</u>	<u>677</u>	512	<u>372</u>	647 [.]	486			
**	(4210)	431	625	461	453	635		473		496	443	<u>638</u>	475	447	620	<u>465</u>			
INDIA		297	572	391	453 310 320	635 579 640	<u>479</u> 421	296	<u>641</u> 598	416	306	624	432	316	<u>589</u>	407 446			
INDONESIA	(275)		641	432	727	640	445	320	646	445	381	634	445	386 353	604	446			
JAPAN	(894)	312			346	476	437	308	663	941	361	678	<u>445</u> 450	353	655	408			
KOREA	(1547)	347	669	429	340	<u>670</u> 551	721 721	421	EVO	462	379	595	454	400	568	431			
Malaysia	(828)	369	556	418	305	221	727	#1.71	EEI	200	363 443 306 321 361 379 340	553	454 410	400 357	510	393			
Pakistan	(266)	341	537	394	323	539 516	439 403 456	320 348 421 473 446	569 553 514	443 459	446	677 638 629 639 678 595 553	472	432	488	438			
Philippines	(467)	431	498	439	382 353 449 288	510	700	230 287	551 551	377 379	287	573	396	287	522	361			
THAILAND	(778)	282	551	379	\$00	552	384	201	22.5										
EUROPE-TOTAL	(2920)	437	598	498	440	<u>607</u>	508	453	601	514	431	613	508	<u>527</u>	580	<u>535</u>			
TURKEY	(248)	332	618	453	<u>350</u>	627	476	359 561 447 458 363	612	<u>467</u>	<u>333</u> 540	633 607 641 612	461	314	564	412			
GREAT BRITAIN	(599)	550	594	553	550	<u>627</u> 604	556	561	604	559		<u>607</u>	565	559	594	<u>559</u>			
	(297)	428	619	491	437	618	493	447	604 624 596	513	426	641	505	456	571	516			
FRANCE FED. RP. GERMAI		439	592	515	453	598	527	458	596	539	437	612	531	<u>510</u>	536	<u>523</u>			
	(424)	348	608	451	<u>437</u> 453 356	<u>598</u> 630	470	363	609	468	348	615	<u>458</u>	359	523	422			
GREECE	(424)	340	000	732	322							P4 7	400	<u>318</u>	520	399			
MIDEAST-TOTAL	(2316)	304	537	399	324	553	<u>422</u>	335	563	<u> 534</u>	313	<u>561</u>	420						
IRAN	(1119)	302	547	400	320	557	417	<u> 322</u>	558	421	313	<u>564</u>	419	310	520	390			
LEBANON	(332)		570	432	346	550	452	351	<u>560</u>	<u>458</u>	323	577	438	318	538	422			
SAUDI ARABIA	(222)		457		272	481	346	261	423	328	<u>266</u>	509	<u> 364</u>	282	377	352			
PACIFIC-TOTAL	(306)	544	594	532	576	622	<u>569</u>	<u>571</u>	620	558	<u>550</u>	625	568	<u>566</u>	601	547			
AUSTRALIA	(210)		612			625		569	624	569	566	643	<u>587</u>	575	611	<u>553</u>			
			589			604		411	 596	472	388	612	469	436	570	462			
ALL NON-U. 5.	(26455)		521		<u>272</u>	553	551	515	<u>596</u> 538	<u>472</u> 540	493	612 539	<u>469</u> 539	500	<u>523</u>	523			
U. S. CITIZENS	(15638)	470	361	264	at Saud		228	####			9701 COL								

NOTE: INDERSCORING INDICATES A VALUE HIGHER THAN THAT FOR "ALL EXAMINEES" FOR THE GIVEN REGION/COUNTRY.



REGION AND	COUNTRY		EXAMIN	KEES	ENROLL	ENROLLED U. G.			NON-EIROLLED U. G.				RADUATE	MIN-ENR. MASTER				
COUNTRY	N	<u>v</u>	8	A_	<u>.v</u>	q	 .		Q	A	<u>v</u>		A	<u>v</u>	Q			
AFRICA-TOTAL	(2173	343	460	364	341	437	363	<u> 360</u>	<u>481</u>	<u> 380</u>	333	442	351	336	467	356		
NIGERIA	(883	336	419	342	320	408	338	<u>350</u>	<u>465</u>	363	332	389	329	347	<u>424</u>	339		
AMERICA-TOTAL	(4297) 433	527	459	463	<u>540</u>	499	442	<u>534</u>	<u>462</u>	413	506	433	336	504	409		
MEXICO	(631	363	503	407	386	532	<u>451</u> 559	365	<u>515</u>	422	353	484	383	360	482	381		
CANADA	(1470	531	577	546	523	583	<u>559</u>	550	574	551	<u>537</u>	534	546	-525	553	492		
BRAZIL	(294	385	551	439	<u> 399</u>	542	466	417	<u>552</u>	445	303	550	436	370	551	436		
COLCHBIA	(236	372	514	413	414	509	445	367	<u>521</u>	401	380	507	411	324	<u>515</u>	403		
VEREZUELA	(396		474	386	384	467	411	<u> 368</u>	500	405	342	453	380	324	403	368		
ASIA-TOTAL	(14443	358	633	444	382	<u>660</u>	485	340	<u>644</u>	441	348	625	432	345	607	417		
TAIRAN	(3791) × 302	686	454	305	695	485	300	625	450	298	675	441	314	699	455		
HOUS KONG	(674			502	360	683	509	383	651	502	355	627	474	372	621	490		
AICH	(4210			461	501	609	526	397	610	433	425	610	451	391	576	420		
INCONESIA	(275			391	316	672	443	207	583	306	284	536	357	302	547	332		
JAPAN	(894			432	318	615	442	311	648	427	319	633	422	304	<u>663</u>	433		
KOREA	(1547			429	356	662	447	340	675	429	3:14	666	431	342	677	418		
MALAYSIA	(628			418	367		444	337	577	433	372	530	403	35 3	519	377		
PAKISTAN	(266			394	<u>369</u>	<u>501</u> 502	456	371	5 : 5	415	310	504	351	341	526	369		
PHILIPPINES	(467			439	445	556	501	422	509	439	448	509	449	420	433	396		
THAILAID	778				254	503	417	292	<u>575</u>	372	276	541	378	275	542	36 9		
EURCPE-TOTAL	(2920) 437	598	493	436	602	509	462	580	501	433	590	490	428	584	473		
TURKEY	(248) 332	618	453	340	642	473	327	589	431	334	608	463	208	506	407		
GREAT BRITAIN	(599	=			537	607	574	559	535	544	506	612	562	<u>566</u>	531	544		
FRANCE	(297	~			441	587	435	423	524	470	440	621	500	989	503	457		
FED. RP. GERMA		•			471	559	525	453	542	496	406	585	493	471	5:16	476		
GREECE	(424	-			357	619	465	325	583	435	324	568	426	345	605	431		
MIDEAST-TOTAL	(2316	304	537	399	<u>318</u>	<u>562</u>	424	300	543	393	291	512	380	292	509	375		
IRAN	(1119	302	547	400	314	558	418	301	564	396	285	535	382	281	517	372		
LEBARON	(332		570	432	322	574	437	315	570	416	321	551	413	32 3	512	401		
SAUDI ARABIA	T 222				271	506	367	<u>274</u>	495	350	255	423	337	253	450	333		
PACIFIC-TOTAL	(306) 544	594	532	502	586	<u>539</u>	601	<u>603</u>	<u>553</u>	521	591	522	<u>547</u>	568	434		
AUSTRALIA	(210) 567	612	549	530	617	<u>562</u>	<u>618</u>	630	<u>559</u>	525	614	546	566	575 —	498		
ALL HOH-U. S.	(26455) 375	589	443	374	593	474	370	602	443		569		358		413		
U. S. CITIZENS	(15638			520	497	<u>593</u> 563	542	514	5.27	<u> 576</u>	462	471	473	<u>515</u>	495	493		
										`.								

NOTE: UNDERSCORING INDICATES A SUDGROUP VALUE HIGHER THAT FOR "ALL EXAMINEES" FOR THE GIVEN REGIO LYCCUMTRY.

TABLE 15. GRE GENERAL TEST SCORE MEANS BY INTENDED GRADUATE FIELD, BY COUNTRY OF CITIZENSHIP AND REGION: 1981-82

REGION AND		ALL EXAM	ITHEES		RTS A UMANI			CIAL TFFCE		BIOLOG SCIEN		MATHEMATION PHYSICAL S			
	N	<u>v </u>	<u> </u>	<u>y</u>	Q	<u>A</u>	<u>v</u>	<u>.</u> 6	<u>A</u>	<u>v</u>	_Q_		<u>v</u>	_ Q	
AFRICA-TOTAL	(2173)	343 460	364	343	402	349	344	392	349	<u>346</u>	449	356	343	<u>555</u>	392
NIGERIA	(883)	336 419	342	324	380	328	326	358	329	342	410	338	350	<u>570</u>	367
AMERICA-TOTAL	(4297)	433 527	459	<u>467</u>	472	<u>463</u>	<u>445</u>	488	454	432	508	454	410	<u>618</u>	472
HEXICO	(631)	363 503	407	<u>370</u>	393	373	<u> 364</u>	450	387	<u> 364</u>	473	403	363	<u>576</u>	<u>428</u> 593
CAUADA	(1470)	531 577	7 546	550	545	538	526	546	529	<u>533</u>	<u>590</u>	<u> 538</u>	54%	708	<u> 593</u>
ERAZIL	(294)	385 551		390	388	403	<u>393</u>	405	429	372	503	415	389	629	457
COLCUDIA	(236)	372 514		360	320	335	373	455	401	<u>374</u>	477	413	376	612	457
VEREZUELA	(396)	350 474		<u>357</u>	332	375	347	398	366	352	429	352	376 356	629 612 572	034
ASIA-TOTAL	(14443)	358 633	444	353	567	423	358	569	419	<u>360</u>	592	426	360	<u>671</u>	459
TAIUAN	(3791)	302 686	454	310	631	441	308	644	434	<u>315</u>	685	462	300	703	462
HONG KONG	(674)	362 666		393	598	483	375	626	484	308	656	505	351		510
ILDIA	(4210)	431 625		453	408	424	465	521	44B	408	538	422	429	656	469
INDONESIA	(275)	297 572		284	476	348	291	495	358	305	553	372	304	633	432
		312 641		374	584	414	<u>325</u>	623	432	300	644	416	299	701	445
JAPAN	(894)					411	364	655	433	346	651	410	335	404	436
KOREA	(1547)	347 669		<u>350</u>	601		355	481	373	377	556	417	<u>375</u>	626	453
MALAYSIA	(628)	369 556		<u>391</u>	467	409		459	36 8	338	446	360	335	E30	469 432 445 436 453 407
PAKISTAN	(266)	341 537		450	<u>558</u>	496	349							700 656 633 701 696 626 530 605	487
PHILIPPINES	(467)	431 498		434	437	410	436	447	426	423	462	416	440	4 2 4	
CHAILAHT	(778)	282 551	379	<u> 296</u>	490	368	280	484	355	<u>296</u>	<u>500</u>	<u> 395</u>	281	624	404
EUROPE-TOTAL	(2920)	437 598	3 498	<u>478</u>	511	487	462	547	491	448	583	503	408	<u>665</u>	505
TUTIKEY	(248)	332 618	3 453	<u> 385</u>	530	<u>478</u>	362	547	448	<u> 363</u>	537	455	322	648	<u>457</u>
GREAT BRITAIN	(599)	550 594		616	569	572	570	558	549	523	579	545	506	660	549
FRANCE	(297)	428 619		423	478	437	439	523	455	<u>463</u>	620		426	691	514
FED. RP. GERMAN		439 598		457	492	480	447	571	512	478	618	<u>507</u> 532	407	675	540
GREECE	(484)	348 608		358	551	462	355	501	413	343	579	425	<u>349</u>	655	466
MIDEAST-TOTAL	(2316)	304 537	7 399	<u>319</u>	498	391	303	. 457	374	311	481	379	302	<u>591</u>	419
IRAN	(1119)	302 547	7 400	<u>321</u> .	498	379	306	463	380 -	312	481	375	300	<u>591</u>	416
LEBANON	(332)	323 570	432	<u>351</u>	518	383	<u>340</u>	492	402	<u> 366</u>	528	<u>450</u>	311	<u>597</u>	442
. SAUDI ARABIA	(222)	261 457	7 344	264	<u>468</u>	361	251	384	326	<u> 266</u>	411	320	<u> 268</u>	<u>542</u>	<u> 365</u>
PACIFIC-TOTAL	(306)	544 590	532	<u>572</u>	571	528	<u>553</u>	572	518	<u>553</u>	555	524	531	<u>698</u>	580
AUSTRALIA	(210)	567 618	2 549	<u>595</u>	589	<u>551</u>	562	589	522	<u>582</u>	568	539	557	714	604
ALL NON-U. S. U. S. CITIZENS	(26455) (15638)	375 589 498 521	9 443 L 520	404 527	⁵²⁰		39 <u>1</u> 485	517 483		<u>382</u> 498	543 533			652 645	

NOTE: UNDERSCORING INDICATES A SUBGROUP VALUE HIGHER THAN THAT FOR "ALL EXAMINEES" FOR THE GIVEN REGION/COUNTRY.



TABLE 16. GRE GENERAL TEST SCORE HEARS FOR SELECTED TESTING-RELATED SUBGROUPS BY COUNTRY OF CITIZENSHIP AND REGION: 1981-82

REGION AND				ALL EXAMINEES REPORT						EATER		ESTIC CENTE	(U.S.)	S	SUBJECT <u>IEST</u>				
COUNTRY	N	ν	Q		<u>Y</u>	G G	Y	Y	Q		У.	9	A	<u>Y</u>	9				
AFRICA-TOTAL	(2173)	343	460	364	<u>345</u>	462	<u>365</u>	344	463	<u>367</u>	330	435	347	<u> 361</u>	<u>504</u>	<u> 391</u>			
NIGERIA	(883)	336	419	342	<u>337</u>	421	345	333	419	344	327	404	334	<u>357</u>	453	<u>360</u>			
AMERICA-TOTAL	(4297)	433	527	459	438	<u>530</u>	<u>463</u>	436	<u>529</u>	<u>463</u>	400	480	421	462	<u>566</u>	498			
MEXICO	(631)	363	503	407	<u> 365</u>	505	408	364	500	416	349	474	384	335	<u>528</u>	<u>429</u> 569			
CANADA	(1470)	531	577	546	531	577	546	532	<u>579</u>	549	510	543	517	539	000	<u>207</u>			
BRAZIL	(294)	365	551	439	<u> 388</u>	554	446	387	551	442	376	472	417	395	600 601 553	<u>462</u> 427			
COLOMBIA	(236)	372	514	413	<u>373</u>	511	410	371	512	412	370	.485	401	380 371	553	451			
VENEZUELA	(396)	350	474	386	356	<u>481</u>	<u>394</u>	349	473	<u>390</u>	338	449	369	· <u>371</u>	492	415			
ASIA-TOTAL	(14443)	358	633	444	351	605	430	<u>360</u>	632	415	335	599	426	<u>376</u>	639	459			
TAIHAN	(3791)	302	686	454	<u>321</u>	678	449#	299	684	453	310	667	441	345	<u>707</u>	504			
HONG KONG	(674)	362	666	502	371	672	504	365	<u>668</u>	504	357	663	498	373		524			
	(4210)	431	625	461	391	565	428#	<u> 365</u> <u>432</u>	624	462	379	554	416	425	608	453			
INDIA	(275)	297	572	391	<u>301</u>	561	393	296	566	395 A	294	569	390	303	612 683	<u>430</u> <u>455</u>			
INDONESTA		312	641	432	316	639	433	311	640	433	<u> 313</u>	604	422	318	683	455			
JAPAN	(894)		669	429	346	663	427	345	668	429	332	641	416	351	606	446			
KCREA	(1547)	347				553	420	368	556	420	365	561	428	400	616	451			
MALAYSIA	(628)	369	556	418	<u>375</u> 349	<u>539</u>	39 <u>5</u>	338	533	391	342	513	396	374	575	429			
PAKISTAN	(266)	341	537	394	<u> </u>		373 439	433	502	444	403	468	426	451	606 616 575 538	464			
Philippines	(467)	431	498	439	433	498		279	548	379 379	275	535	373	299	576	410			
THAILAND	(778)	282	551	379	286	546	376	2/9	2,10	3/7	2,3		3/3						
EUROPE-TOTAL	(2920)	437	598	498	447	598	504	440	600	501	437	5 56	479	437	629	511			
TURKEY	(248)	332	618	453	337	619	463	334	617	459	329	601	444	344	631	<u>468</u>			
GREAT BRITAIN	(599)	550	594	553	<u>337</u> 559	593	559	553	594	<u>556</u>	524	565	528	564	678	564			
FRANCE	(297)	428	619	491	433	617	470	428	624	493	<u>447</u>	534	463	435	618 652 618	507			
FED. RP. GERMA		439	592	515	451	588	517	436	592	516	468	556	511	433	<u>618</u>	519			
	(424)	348	608	451	357		458	348	609	451	<u>351</u>	557	429	353	651	468			
GREECE	(767)	310		452						4.05	700		704	321	<u>571</u>	427			
MIDEAST-TOTAL	(2316)	304	537	399	312	<u>549</u>	409	307	539	<u>405</u>	300	532	394	21.4					
IRAN	(1119)	302	547	400	308	551	405	303	546	6.05	301	545	397	323	577	437			
LEBARON	(332)	323	570	432	332	<u>579</u>	445	<u> 375</u>	<u>575</u>	4.36	317	564	421	332		439			
SAUDI ARABIA	(222)	261	457	344	266	471	344	258	457	343	260	441	341	261	478	343			
PACIFIC-TOTAL	(306)	544	594	532	<u>555</u>	600	<u>535</u>	549	<u>593</u>	<u>537</u>	, 474	534	476	580	670	600			
AUSTRALIA	(210)	567	612	549	<u>573</u>	614	545	<u>569</u>	<u>614</u>	<u>551</u>	509	556	508	<u>589</u>	680	609			
	10/177	775	E00	A47	704	E47	442	379	590	447	355	536	415	407	606	474			
ALL HOH-U. S.	(26455)	375		443 E20	<u>386</u>	519		494	<u>590</u> <u>523</u>	523		521		522		551			
U. S. CITIZENS	(15638)	498	521	240				7.70.	. = 1.2	. 			*m*						

NOTE: UMBERSCORING INDICATES A SUDGROUP VALUE HIGHER THAN THAT FOR "ALL EXAMINEES" FOR A GIVEN REGION/COUNTRY.

